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ABSTRACT

Designed to provide guidance in selecting appropriate software for library automation, information storage and retrieval, or management of bibliographic databases, this inventory describes 188 computer software packages. The information was obtained through a questionnaire survey of 600 software suppliers and developers who were asked to describe the features, functions, hardware and software requirements, acquisition terms, and user support provision of available systems. An introduction briefly reviews the need for an inventory and the inventory methodology used, and provides a statistical summary of the results. A general guide to selecting software packages covers various factors for consideration in evaluating needs and system merits. Information from the questionnaires is displayed with tables listing the main applications and main features of each system by acronym, required compilers for software packages, price range by main function, and main function by computer type. The brief description provided for each package includes its general features, hardware requirements, software operating system, software application system, cost, and installation. A three-page bibliography, a glossary, the questionnaire, and five indexes and reference lists are provided. (LMM)

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International Inventory of Software Packages in the Information Field

edited by
Carl Keren
Irina Sered

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PREFACE

This inventory presents the results of an international survey of 188 software packages available for use in the field of information services. It has been prepared within the framework of the Unesco General Information Programme in response to requests from numerous intstitutions in Member States, particularly the developing countries, for guidance in selecting software which is appropriate for library automation, information storage and retrieval or management of bibliographic databases. Software packages in these areas, though numerous and varied, are not always marketed as widely and intensively as those for other applications. Therefore they may not be familiar to potential users who are, at the same time, dependent on information about the existence and availability of software which might otherwise be very costly to develop in-house.

Work on the Inventory was carried out over a one and a half year period by the National Centre of Scientific and Technological Information (COSTI) of Israel under contract to Unesco within its Regular Programme for 1981-1983. A detailed questionnaire was distributed to software suppliers and developers around the world to solicit information on the features, functions, hardware and software requirements, acquisition terms and user support provisions of available systems. All the relevant packages on which information was received are included in the Inventory, and a particular effort was made to include packages which are available through non-commercial channels or on terms of special interest to the developing countries. The data presented in Chapters 3 and 4 of the Inventory has been provided by the suppliers of the individual packages concerned and does not necessarily represent the opinion of either the editors or Unesco. Although evaluation of specific packages was not attempted, general criteria for the selection and assessment of software are presented in Chapter 2.

Many people have worked on the preparation of this Inventory. A special acknowledgement due to : Ms. L. Perlmutter (project management), Ms. M. Levanon (data input and administration), Mr. J. Branse (author of introductory chapters and editorial assistance) and Ms. N. Goldenberg (computer programs) as well as to Prof. A. Grosch for useful comments on the draft version of the document.

It is hoped that the Inventory will prove useful to information specialists throughout the world who are concerned with the choice and acquisition of software packages. Suggestions on its improvement and possible updating are invited from the readership and should be addressed to :

Division of the General Information Programme
Unesco
7, Place de Fontenoy
75700 Paris

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CHAPTER 1

Introduction

1.1 THE NEED FOR AN INVENTORY

Several considerations motivated the compilation of this Inventory:

First of all, technology has evolved rapidly -- not only in computing and telecommunications, but also in information science (understood in a broad sense - comprising libraries, archives, documentation, etc., and the production, dissemination and use of information). The information worker is confronted with a bewildering variety of techniques and possibilities, and needs guides to assist him in the selection of appropriate options.

But though the field is expanding, and hardware (computing machinery and peripheral equipment) is more readily available at affordable prices, there is a dearth of systems analysts, managers and programmers able to utilize the machines effectively and efficiently. A lack of suitably trained personnel is a frequent complaint in developed countries as well as in developing ones. During the past decade, a considerable shift in information systems has occurred, with the cost of hardware declining and that of software increasing. Frequently, cost ratios of 70% hardware to 30% software have been reversed, and the trend toward even higher software costs continues.

The element of time has become more important. The staid, slow-moving library has given way to online information services whose response times are measured in seconds and to shared cataloging in which a document registered in one place is immediately and automatically registered with several hundreds (or thousands) of other libraries connected by a continent-wide network. Thanks to word processing, documents become available as soon as the author writes the final line. Electronic mail and, perhaps, the electronic journal are just around the corner.

Elimination of barriers to information transfer is an important task of the emerging "global village". Unesco and other international organizations make considerable efforts to ensure that cultural and technological knowledge can be shared. The compatibility of information systems and the diffusion of relevant information on experience gained concerning them, play a significant role in attaining that goal.

In information-service development, as in many other fields, resources are scarce and must be used effectively. Highly trained personnel, rare expertise, expensive machinery, limited funds and valuable time should not be wasted in "re-inventing the wheel". Available resources should be used to advance the state-of-the-art and the effectiveness of information services. Optimal use should thus be made of systems and services that are obtainable ready-made (or nearly so), and to build up to higher levels from as advanced a baseline as possible.

These considerations point to the critical role of software in current information work. Such software is expensive to purchase; if prepared in-house, it is also time-consuming and manpower-intensive. Yet it is a key to resource-sharing and networking; its application, however complex, decisively affects the performance of other components of the information system.

Thus, in the light of the importance of software availability in developing information systems, a logical first step was compiling an inventory of existing packages in order to make them known as widely as possible.

1.2 THE INVENTORY METHODOLOGY

The high cost of software development in all fields has induced many software producers to package their programs in such a way that they can also be given or sold to others. This is especially true of programs developed by computer manufacturers but other software producers with a potentially large market -- involving business and certain scientific applications, for instance -- are marketing software aggressively. Such software is designed for relatively easy installation on the receivers' host facilities.

Because many of these packages have been written in order to be sold, they are fairly well documented, their specifications are unambiguous, input/output is well defined and appropriate installation support is provided. Extensive debugging is standard practice, so that the programs themselves are relatively clean of mistakes. Various announcement media exist, such as special directories, vendors' publications and professional journals, through which a potential user can learn what software exists and how it may be obtained.

Few information system packages, however, are that well prepared and publicized. The first step in this Inventory was, therefore, the design of a questionnaire by means of which packages could be adequately described.

The questionnaire design was based on an analysis of several operational packages, the study of the information content of well-established software directories and the type of queries most likely to be asked by potential users. The draft of the original questionnaire was distributed to various software suppliers for completion and comments and, in revised form, received final approval from an ad-hoc advisory panel set up by Unesco. The questionnaire asked about general features of the systems, hardware requirements, operating systems, applications software, user support, costs and installation.

Besides the information content of the questionnaire, it was important to consider its international character. That is, language and technical terms had to correspond, as far as possible, to international usage. In order to facilitate computer entry and to achieve maximum uniformity, questions requiring free-language textual replies were avoided where possible. Analysis of completed questionnaires lends support to the validity of this approach; none had to be discarded because of wrong or ambiguous responses. Multiple choice questionnaires have, of course, drawbacks; however it seems that in this inventory they provided the best possible solution.

Distribution of the questionnaires posed a further problem. Names and addresses of potential respondents were obtained through extensive online searches of the literature, coupled with an analysis of SDI profiles. In addition, about 80 professional journals were asked to publish press releases on the Inventory, with readers having a possible interest in participation being asked to register with the editors. Unesco/PGI distributed questionnaires to a number of national focal points associated with its General Information Programme. Finally, the assistance of knowledgeable colleagues was enlisted, and entries were solicited by personal or institutional approaches.

All in all, about 600 questionnaires were sent out and more than 200 valid replies were received. Some of these completed questionnaires were eventually excluded from the Inventory, principally because the systems they described were not considered relevant to the topic. About 150 additional replies stated that for various reasons the forms could not be completed. Principal reasons cited were disinterest in marketing, discontinuation of package development or that packages were still very experimental. The information on the returned forms was keyed into a minicomputer; this database served as the source for the various tables and indexes included in the body of the Inventory.

The timetable for production of the Inventory has been as follows:

March 1982	Mailing of questionnaires
December 1982	Return of completed entries to respondents for verification and possible updating
1 April 1983	Closing of database to further revision
30 April 1983	Completion of final version of Inventory

During the initial phases of the project, the possibility of evaluating software packages was considered. After investigation it was found that such an evaluation would not produce the desired results, because:

(a) the parameters used in systems descriptions and the measurements of performance data are not standardized, and the information they provide cannot be compared.

(b) discrepancies between reported system tests and actual field data are sometimes considerable: an on-the-spot evaluation by an independent expert is frequently needed.

(c) a whole battery of unambiguous standard tests would have to be designed to provide for reasonably comparable data.

(d) unbiased value judgements in a wide-open field such as software packages are practically impossible, even if adequate safeguards are employed.

The Inventory, therefore, fully reflects the information provided by those who filled in the questionnaire. Completed forms were returned to respondents for final verification. No value judgement of any kind was undertaken, nor is it implied in any of the tables and indexes.

1.3 A STATISTICAL SUMMARY OF RESULTS

NOTE: All details included in this section were obtained from software suppliers' replies. Definitions of professional and technical terms used here and elsewhere in the Inventory are given in the Glossary

1. Geographical distribution:
   Of the 188 systems represented, nearly half (93) are from the United States of America (50) and the United Kingdom (43). The remainder are distributed around the world:

   Geographical distribution (See Index of Countries of Origin)

Australia	8	Italy	2
Belgium	1	Japan	2
Brazil	9	Netherlands	2
Canada	8	Norway	4
Denmark	1	Peru	1
France	11	Philippines	1
German D.R.	1	Poland	3
Germany, F.R. of	15	Sweden	6
Hong-Kong	1	Switzerland	3
Ireland	2	U.K.	43
Israel	13	U.S.A.	50
		Yugoslavia	1

2. Price range:
   As regards systems' price, 56 systems have not indicated a price or reported that the system is either distributed without cost or is not available commercially. Of those systems which have reported a price, the range is as follows for object code :

Price ranges for software packages (See Table 4 of chapter 3)

Free (source or object) - 17
Under $5000 - 20
$5001-10,000 - 16
$10,001-50,000 - 28
$50,001-100,000 - 11
Over $100,000 - 3
Lease only (source or object) - 5

3. Vendors/producers:
The vendors and producers of the packages fall into a number of categories: libraries, library supply firms, computer manufacturers, software houses, public and private research institutions, etc. In many cases, systems were created for particular in-house applications, without a slant toward marketing. Several vendors offer more than one system -- generally two, but one vendor markets four systems, another five.

4. Types of computers:
Automation of information services has developed side by side with the development of minicomputers. The availability of powerful computing and storage capabilities at relatively low cost has spurred minicomputer purchases by institutions that otherwise might not have been able to afford, or use to best advantage, a mainframe computer. Also, the spread of small and relatively inexpensive machines has enabled users that were dependent on a remote, central computer (say, at a university computing center) to become 'autonomous'. Nonetheless, the survey revealed that mainframes are still quite popular. The microcomputer, still a newcomer on the scene, promises to play a significant role, but does not yet rival the larger processors.

The hardware configurations of the reported systems include 33 different models of microcomputers (from 22 different manufacturers), 55 models of minicomputers (19 manufacturers) and 66 mainframe models (12 manufacturers, one of them alone accounting for 13 models). It is not unusual for a system to use more than one type of machine -- for instance, by employing micros as remote data-entry or search terminals linked to a central mini or mainframe.

Table 5 classifies hardware by main system functions. Here it is evident that minis and mainframes are used about equally for the various functions, with minis enjoying an edge in library management.

Main system functions, by computer type (See Table 5 of chapter 3)
(NOTE: In this and following tables some systems are listed more than once.)

	FUNCTION			
Computer Type	Library Management	Information Retrieval	Database Management	Simulation
Micro	15	31	9	15
Mini	84	123	77	20
Mainframe	77	133	98	16

5. System functions:
The table below shows how many systems offer specific capabilities in the broad areas surveyed. Some items are more common than others: cataloging occurs more frequently than other library functions such as circulation and acquisitions, and there are three times as many information systems that offer search functions as systems supporting SDI.

Main system functions (See Table1 of chapter 3)

Library Management

Cataloging - 89
Circulation - 52
Acquisition - 54
Serials control - 37

Management Support

Statistics - 61
Management Information System (MIS) - 48
Accounting - 40
Budget control - 33

Database Management, Information Retrieval

Searching - 136
Indexing - 98
Thesaurus maintenance - 63
Archives inventory/control - 55
Directory generation - 53
SDI - 50

6. System Features:
The following list shows hardware and software features offered by the systems. These auxiliaries, while not normally intrinsic to the main function, enhance the system by making it more versatile or easier to use. Error messages, prompting, help routines and data entry procedures are frequently included. Less common are word processing (often available as a software package in its own right), photocomposition and use of a light pen.

System features (See Tables 1 and 2 of chapter 3)

Error messages	- 161	Networking	- 11
Prompting	- 123	Text editor	- 54
Help routines	- 121	COM	- 38
Data entry	- 111	Bar code	- 28
Restart	- 14	Word processing	- 31
Print generator	- 79	Light pen	- 26
		Photocomposition	- 24

1.4 GUIDE TO USE

As an aid in using the Inventory, a brief description of its contents follows:

Chapter 2 - Software Selection: Process and Criteria.
Although, as indicated above, no attempt was made to evaluate individual packages listed in the Inventory, this chapter is included as a general guide to selecting a software package. It covers various factors that a potential user must keep in mind when evaluating his needs and the merits of a proposed system. In addition, a recommended standard procedure to follow when acquiring a package is outlined.

Chapter 3 - Tables
This chapter which, along with chapter 4 and the Indexes, consists of computer-generated material extracted from the database, contains information from the completed questionnaires. There are five tables:

TABLE 1 lists the main applications of each system.

TABLE 2 lists packages according to their main features

TABLE 3 indicates the language compiler(s) used in each system

TABLE 4 classifies systems according to price and main function; e.g., a buyer interested in finding a library management package in the price range $5000-10,000 would refer to this table for appropriate items.

TABLE 5 classifies systems according to computer type (mini, micro, mainframe) and primary function. For instance, one would look here for the names of microcomputer-based information retrieval packages.

Chapter 4 - Main Report: System Descriptions
This chapter contains a 2-3 page description of each package, based on data provided by questionnaire respondents.

Bibliography
A brief bibliography of current sources of information

Glossary (Annex 1)
The glossary defines standard technical terms relating to computer applications, software and hardware which are used in the questionnaire, the text and the tables of the Inventory.

Indexes and Reference Lists

INDEX OF ACRONYMNS : Package acronymns or abbreviations are arranged alphabetically, followed by the full name of the system. Where the supplier of the package has not indicated an acronym, one has been assigned, with the permission of the supplier. Such cases are marked with an asterisk (*) in this listing and elsewhere in the Inventory.

INDEX OF FULL NAMES : Lists the full name of each package included, followed by its acronym.

INDEX OF COUNTRIES OF ORIGIN : Lists the acronyms of the packages by the country in which the producer or supplier is located.

LIST OF SOFTWARE SUPPLIERS : An alphabetical listing of vendors and software suppliers, giving the full name and address of each and the package (s) offered.

LIST OF SYSTEMS NOT SPECIFYING AVAILABILITY : A listing of systems for which conditions for distribution were not specified. Such systems may be for "in-house" use only or be available to others free of charge or under speical conditions.

CHAPTER 2

Software Selection: Process and Criteria

2.1 BACKGROUND

This chapter, as its name suggests, is concerned with the correct procedure to follow when shopping for a software system, and the criteria that must be borne in mind when evaluating both one's needs and the merits of a given system.

A word of caution is in order: the factors discussed here may be thought of as a set of interdependent variables. Only the system planner or manager can decide which ones are in fact relevant to a given operation, and on their relative weighting.

Computer software is divided into two broad types: systems level and application level programs.

Systems level programs begin with operating systems which consist of the routines that control the internal functioning of the computer and the user-computer interface. The main operating system tasks involve the mamagement of the central processing unit, the memory, the input/output (I/O) devices, the system files and other components without which the system can not function.

Systems software is generally supplied and maintained by the computer manufacturer; i.e., the choice of a computer determines in effect the choice of an operating system, or at least restricts the possibilities to those options available with the model selected. An operating system is virtually a black box. When working properly, it is transparent to the user, freeing him to communicate with the computer and develop and run applications software without fretting over "housekeeping" details. If it is necessary to tamper with the operating system, experts must usually be called in. Other system-level software consists of programming language assemblers and compilers, database management systems, output generators, networking software, etc.

Applications software is a more varied, "hands-on" affair, comprising the routines by which the computer is made to perform tasks specific to the individual user -- a programmer, an institution, a department, etc.

Such software may be written in-house or acquired from various sources. Computer manufacturers generally include such standard items as sort utilities, text editors, file-transfer utilities, etc., in the software package delivered with the machine, or available as options.

Software brokers, user groups and software houses (which may offer both standard and custom-built packages) are other sources. There is some overlapping of these categories: a wholly homemade system still depends on the computer's operating system, and an acquired package will likely require some local tinkering. Application software written under one operating system environment for a given computer may present varying degrees of difficulty in being tailored to another operating system or machine.

The guidelines that follow are addressed primarily to the user interested in applications, rather than in system level software; and to the user interested in obtaining software from an outside source rather than in designing his own.

2.2 STEPS IN THE SELECTION PROCESSES

Described here is a general strategy to follow when shopping for a software package. It should be adapted to fit particular circumstances.

2.2.1 Determination of needs

This seemingly obvious point needs to be mentioned for much the same reason that technical manuals sometimes begin with the words, "First, turn on the machine." There are so many systems on the market, each one pressing its claims, that the buyer must know from the start how to filter out the unacceptable ones. A careful estimate of what is expected from a software package enables the user to evaluate what is offered in the light of real needs, rather than letting promotional literature create an inaccurate picture of what is necessary or desirable. A thorough study should be made of the present operation, especially the flow of information within and among different components. How would each be affected by the introduction of computers, or by a change in the current set-up? What inputs, processing (computation, searching, comparison, etc.) and outputs are involved at each stage? How will non-computerized areas interact with the computerized ones? The points discussed in the second part of the chapter, 'Criteria', are intended as a guide for evaluating the potential acquirer's own set-up and plans as well the software packages under consideration.

The analysis of needs may be affected by fixed parameters or prior decisions. For instance, the presence of a certain make of computer running on a particular operating system forces consideration of compatibility. Budget ceilings, an administrative decision to buy from a specific country, etc., must be taken into account. The analysis will proceed differently for an installation starting from scratch than for one that already has a hardware configuration or a prior set of policy guidelines or constraints.

A study taking account of the above aspects should lead to detailed specifications, which are presented in a project proposal or system analysis. This study is required by both management and technical staff, and should be prepared with their cooperation. The analysis should include a meticulous listing of what the system is expected to do, and an indication of the relative importance of the various features required. It should also delineate the system development methodology, users' requirements, environmental and administrative constraints, system objectives, etc., as well as costs to the extent that they can be estimated at this point.

For the sake of consistency, the specifications should be written by one person, either a staff member or a qualified consultant, who is conversant with all facets of the operation. However, the writer should seek out the ideas and comments of others. Several drafts and a considerable amount of time may be needed to prepare a concise, accurate set of specifications. But the time and effort are justified by the latter's usefulness in subsequent stages.

2.2.2 Gathering information and narrowing the field

Various information sources may prove useful in determining which packages come closest to meeting the specifications. Although a conventional bibliography would be of little use in such a dynamic field, literature is available in abundance. (See the Bibliography)

Vendors themselves can provide, in addition to sales brochures, items such as system specifications, sample outputs, newsletters, etc. If a vendor is not willing to make technical literature available, it may possibly be borrowed from places that have installed the system in question. Various users prepare extensive software evaluation reports (often unpublished) which may contain much pertinent information.

Current periodicals in the field of library and information science should be consulted, as these frequently contain discussions of systems or general surveys. Each quarterly issue of Library Technology Reports, for instance, generally includes an extensive evaluation of available systems in some broad area such as circulation or acquisitions. The volumes of the Annual Review of Information Science and Technology (ARIST) include articles covering recent developments in selected fields. The comprehensive bibliographies of these papers are useful guides to further information.

In addition, comparative surveys of the current software market and general guides to system selection are available from Auerbach Publishers, Inc. (121 North Broad Street, Philadelphia, Pennsylvania 19107 U.S.A.) and DATAPRO Research Corporation (1805 Underwood Blvd., Delran, New Jersey U.S.A.). Both of these publishers issue directories which are useful sources of information. Data on a wide range of available systems, are presented in tabular form that makes it easy to compare main functions, prices, programming languages, etc.

After as much information as possible has been gathered from a variety of sources, including the present inventory, those packages that are clearly unsuitable can be eliminated. Here, a prior assessment of one's requirements is invaluable. The points cited in the 'Criteria' section of this chapter will be helpful in balancing system features against user needs. A glance at the main function, price, hardware requirements or some other facet of the package may, if specifications have been drawn up with care, suffice to remove it from consideration. This filtering process should result in a short list of several packages that seem sufficiently promising to warrant further study.

At this point, the system specifications can be submitted to one or more suppliers with a request that they bid for a contract. The document sent to a supplier is known as a "request for proposal" (RFP) or "request for quotation" (RFQ). An RFP, which requests more detailed information, is preferable whenever possible.

2.2.3 Evaluation of bids

When the suppliers begin to send in concrete proposals, it is time for additional, rigorous investigation of the merits of the systems under consideration. If someone with the necessary technical or managerial expertise is not available within the acquiring organization's staff, it might be worthwhile to hire an outside consultant.

Current users of the systems should be sought out and queried. Someone who has experience in using a particular package on a day-to-day basis may be able to fill gaps left by promotional literature or a formal bid, and perhaps to offer eye-opening insights -- regarding, say, the limitations of the systems, changes that had to be made over the course of time, satisfaction with the vendor, vendor response to reported bugs, etc. If possible, visits to the sites of such installations should be made, for no phone conversation or letter can fully convey the necessary information about that user's experience with a package.

Likewise, a demonstration of the proposed package at the acquirer's own site is recommended, in order to see exactly how it functions under local conditions and procedures. Though desirable, this is not always practical, for various reasons -- e.g., lack of a suitable hardware infrastructure at the buyer's location and costs to the supplier for telecommunications and for employee salary and travel. If a package has been strongly recommended by a number of current users, the on-site test may be waived. But if other users have not been contacted, or if the system is too new to have a base of satisfied clients, the local demonstration is crucial.

2.2.4 Package selection and contract negotiation

The final choice is the system that best matches the specifications required at the lowest price. Obviously, compromise is involved. No bid will meet all the specifications. Points to consider besides compliance with the specifications are total cost over a period of time (say, five years), the suppliers timetable for delivery and installation, how well the supplier has performed in other projects, software portability and whether the system is amenable to maintenance by a third party should the ties with the original supplier be cut.

Even after a decision for a particular system has been made, there remains the formidable task of negotiating a contract. In view of the immediate and long-range costs involved, caution and deliberation are in order. A lawyer should review the contract and sit in on negotiations. If the supplier presents a standard contract, it should be scrutinized for vague phrases, hidden charges, waivers of liability, and other loopholes and traps. Insertion of clauses stipulating a per-day penalty for system unacceptability and removal of the system following a breach of contract are ways the buyer can protect himself.

Important contract elements include:

- a system description itemizing all hardware and software;
- specification of documentation to be supplied and provisions for updating it;
- options for user training and guidance (e.g., courses provided by the vendor at the acquirer's location or elsewhere);
- a timetable for delivery and installation, with provision for holding back part of the payment until delivery is complete;
- stipulation of the site preparations necessary prior to installation (it is generally the buyer's responsibility to carry out the site preparation);
- terms of payment, specifying the amounts due at time of order, on delivery and on final acceptance; preferably, the bulk of the payment should be made only on acceptance, and at least 25% should be held back till then;
- acceptance plan, laying out the procedures by which the acquirer decides whether or not the installed system is adequate;
- warranty;
- hardware and software maintenance, possibly including provision for upgraded versions of the software to be delivered to the acquirer;
- provisions for changing or renegotiating the contract;
- acquirer's right to sell or modify the system.

2.2.5 Installation, assessment and acceptance

Installing and debugging the system may drag on for several months, but careful planning can contribute to a smooth transition. Assistance from the supplier for the duration of the changeover should be demanded in the form of on-site support if possible. In addition to the basic package, training and documentation, the supplier should assume responsibility for bringing the installed system to maximum efficiency.

The acceptance test, which should be included in the contract, is the procedure for determining how well the installed system meets the specifications. The success of the acceptance test is a prerequisite for making the final payment.

Response time and downtime are useful indicators of a system's performance. The former term refers to the length of time required for the system to perform some function or respond to an instruction; the latter, to the amount of time the system is inoperative due to hardware or software failure. Response time is both hardware and software dependent, so care should be taken to identify the critical factors. Different types of failures might be 'weighted' via a suitable system of coefficients. For instance, loss of ability to update files on line, which would severely hamper operations, might receive a coefficient of '1'; while the breakdown of a printer might be weighted as 0.25, and non-critical software errors as 0.10 -- all depending on the system manager's determination of the relative importance of these components within the system.

A precise log of downtime and response time should be kept throughout the acceptance phase. In addition, a quantitative determination of efficiency, manpower and hardware utilization, throughput, etc., both before and after installation, should be made. Such statistics, organized into a management report, are a guide to the performance of the system, its overall suitability and the changes that need to be made.

2.3 SUMMARY OF THE SELECTION PROCESS

- Analysis of needs and current operations
- Preparation of specifications
- Gathering information
- Soliciting bids from selected suppliers
- Evaluation of bids
- Selection of system
- Negotiations with supplier, leading to signed contract
- Site preparation
- Installation of system hardware
- Delivery of software and documentation
- System start-up
- Acceptance test
- Final acceptance of system, authorization of last payment

The steps outlined above cannot be constrained to a firm timetable. The length of time required depends on the buyer's needs, ease of communication with suppliers, the amount of staff time that can be devoted to the search, and numerous other factors. It is probably wise to allot more time than seems necessary, so as to allow for any delays along the way. A minimum of one year is probably required from the beginning of the system analysis to acceptance of a package. For major mainframe applications, the period may be longer than this, and for micro applications it may be shorter.

2.4 SELECTION CRITERIA

2.4.1 Overall suitability

One of the first, and perhaps most obvious, questions to ask about a system under consideration is whether it was designed to meet the acquirer's needs, or very similar ones. Packaged software can often be useful, provided one determines whether it can be adapted to his requirements and what efforts are involved. Planned future upgrading of the overall hardware/software infrastructure should be borne in mind -- will this be possible without compromising the usefulness of the package?

Any buyer is likely to be subject to a number of constraints or policy guidelines that can serve as useful filters when assessing possible systems. For instance, an institution of which the information processing needs can be met by a microcomputer will not be interested in a package that runs on a mainframe. Institutions with a staff of only a few people might not want a package that requires a full-time programmer to keep it in working order.

2.4.2 Hardware considerations

Full hardware compatibility can be assured by either of two diametrically opposite approaches: purchasing a 'turnkey' system, a comprehensive package combining all the necessary hardware, system software and applications software, which can be, in effect, plugged in and set running; or by designing a system of one's own completely from scratch, using in-house equipment and staff.

However, if a system is to be installed on an existing computer, its compability with the host must be ascertained. If the package cannot run on the acquirer's current make of computer, can it, and/or the computer, be adapted with little trouble? Can the computer's memory cope with the system's requirements? What type and number of peripheral hardware (disk drives, tape units, etc.) are required; likewise, what is the maximum number that can be supported? Also will there be an impact on the responsiveness of certain shared system components, for example by imposing additional strain on disk accesses?

A crucial decision is whether to acquire a mainframe, mini- or microcomputer, or some combination of these -- for instance, a distributed network with microcomputers feeding into a minicomputer or mainframe. The lines of demarcation between micros and minis, minis and mainframes are steadily blurring, and further technological advances will mean greater processing power in desktop units that are able to perform tasks that could not be handled by room-sized mainframes just a few years ago. Today, the needs of all but the largest institutions can probably be met by minicomputers, and some small installations find that a micro is more than adequate. The choice of a machine in any given case demands careful attention to what is desired and affordable in terms of such factors as memory capacity, processing speed, capability for expansion, etc.

2.4.3 Software and programming considerations

A particular model of computer supports a given programming language only if the appropriate routines -- such as assemblers, compilers -- for translating source code into machine code are included in the operating system, or can be installed. A typical operating system will probably offer compilers for such widely used languages as BASIC, FORTRAN and COBOL. FORTRAN is geared to scientific and computational work, COBOL for business applications. BASIC is a simple, flexible, easily learned language that has proved its usefulness in information and textual applications and so become widespread in systems focusing on those areas, especially systems operated on microcomputers. ISO standards have been published on COBOL, FORTRAN and PL/1.

There are many different versions of BASIC each of which is generally limited to use on certain models and makes of computer. Since there are numerous versions, it is possible that a package written in BASIC will not be transferrable to another computer without revision. This warning applies to other languages as well -- one must always ensure that the computer will be able to implement the source language of the package.

Much depends on whether one requires a system tailored to a specific task -- e.g., a circulation management package -- or an all-inclusive system that can be applied to various functions -- e.g., a generalized database management system (DBMS) in which the same set of programs might maintain files relating to all phases of operation, including information retrieval, management, report generation, etc. Institutional policy *vis-a-vis* automation, and the extent of prior computer experience, may influence this decision. For instance, the use of single-function packages provides a means of coping with small budgets and inexperience; it permits modular growth, since packages for additional projects can be acquired in accordance with demand, experience and financial resources. Such an approach would typically require the coordination of dissimilar packages with one another as well as with the local hardware. Adoption of a comprehensive system, on the other hand, demands thorough planning and coordination from the start. It implies a costly commitment that cannot easily be gone back on and a conversion period that will affect operations and personnel.

Access to programmers familiar with the package's language is another necessity. Also, if a package is delivered as object code -- i.e., in machine-readable form only -- the supplier should be asked for a copy of the source code, or making necessary changes later might be difficult. If the source code is not delivered, some provision should be made for its availability in the event of a complete break-down of relations with the supplier such as would occur for instance if a supplier goes out of business.

2.4.4 Special considerations for libraries and information centers

The packages surveyed in this Inventory relate to library and information work, and special needs in this area must be borne in mind when evaluating prospective packages.

A number of systems are available for managing the daily routines of a library. These generally focus on circulation control (loaning and checking in items, keeping track of overdues, fines, reserves, etc., preparing overdue notices and statistics, and other chores), but may include cataloging, acquisitions control, serials check-in, or other functions.

An information center will probably be interested in features such as Selective Dissemination of Information (SDI), database management, index and free-text searching, and so forth.

The options needed by a library or information center depend on the institution's main purpose, its range of clients, the nature of the services currently offered, and other factors specific to the institution.

2.4.5 Installation and maintenance

The costs of installing a software package and its associated hardware may be greater than those for purchasing the package, but planning and foresight can minimize the expense and the strain. Well in advance of a package's delivery, the buyer should determine exactly what must be done to install it, and what changes are necessary in the working environment and methods of operation both before and after installation.

Although setting up the hardware is usually the supplier's responsibility, the buyer must see to it that the site has been adequately prepared. The primary -- and most expensive -- concerns relate to having adequate space, electrical supply and air conditioning. Additional remodelling work may be required. As these costs may run into the thousands of dollars, it is advisable to pay heed to such infrastructure-related requirements of the system when evaluating its suitability.

Conversion of current data files or installation of new ones may be necessary to match the formats of the new system. For instance, creation of a machine-readable catalog of a library's holdings -- often needed in conjunction with a circulation-control system -- can require many man-hours of tedious input. If there are plans to make use of MARC bibliographic data, or one of the commercially available databases, large amounts of disk space must be reserved. Provisions may need to be made for data validation and/or conversion control.

2.4.6 The user

The needs and possible limitations of the people who are going to be actually using the system once it is installed should not be ignored. This applies especially to those with little or no computer experience -- data entry staff, library patrons, managers, secretaries, etc. Screen displays should be clear, uncluttered and attractively laid out. Eye strain and fatigue are common complaints among people who work with visual display terminals (VDTs); the hazards can be minimized by making the screen as easy to view as possible.

The dialog that the system conducts with the user -- consisting of prompts for information, user requests, replies and displays based on the result of system operations, error messages, etc. -- should be simple, unambiguous and as close as possible to natural-language communication. Response time must be short, since people become impatient when a computer takes what seems to them too long to act. (The ideal, which is rarely achieved, is a response time of 3-4 seconds.)

The system should include validation routines to ensure that commands, data, codes and other user input meet the standard formats. It should also be 'forgiving', to be able to proceed normally after a user error, and should give the user an opportunity to go back and correct mistakes rather than, say, having to input a record all over again to fix a single line.

At the same time, the needs of more experienced users must be met. Shortcuts and non-trivial options should be provided so that an enterprising, sophisticated user can make the most of the available resources.

2.4.7 Documentation

If software is defined as what remains of a computer system after the computer and associated hardware are removed, then documentation is one of the most important software items in any package. It is also traditionally one of the most neglected. But if a software system is derived wholly from outside sources, good documentation is critical. Different types of documentation are addressed to people at different levels of the system hierarchy. At the very least, the supplier should provide:

- Systems documentation which summarizes the programs and files of the software package and their interactions with each other and with the host hardware;
- File documentation which describes the format of all system files and the records they contain (field structure, maximum length, data types, etc.), and which files are accessed by what programs for what purposes;
- Program documentation which describes the structure of each application program -- the hardware and files it accesses, the flow of data, operations performed on records, error messages, trapping and validation routines, variable names, etc. It is notoriously difficult to fully comprehend a program written by someone else so as to make changes in it. In the absence of the original programmer, only a source-code listing accompanied by adequate documentation can make it practical to repair and upgrade system software as the need arises;
- User manual: a step-by-step guide to everyday operations, from turning the machine on to logging out. It must describe in detail what commands to give at various stages of the programs, valid replies to prompts, procedures for coping with mistakes, termination of operations, typical screen displays, etc.

2.4.8 Supplier support and relations

Acquisition of a system is the beginning of a prolonged relationship with the supplier, so it is worthwhile to look forone with whom it is possible to establish a good working relationship. One way of checking out a potential supplier is to contact institutions that have had prior dealings with the firm or institution in order to learn what sort of a reputation it has among its clients.

The supplier should be queried about the cost of various options, the possibility of a service contract, and so on, before any firm commitment is made. Can he guarantee a particular date for delivery of completed installation? There should be a clear understanding of what is to be delivered and when. What are the qualifications of the staff that will be sent to install and debug the system? How far from the buyer's site is the supplier, or an affiliate which can provide service?

The supplier should also be asked about the location and cost of special courses available for training the system's users and managers. Also, to what extent will the supplier permit, or make himself, changes in and additions to the basic package? Will successive updates of the software be sent as they are released? What constraints does the supplier place upon marketing of information services or new software derived from the buyer's application of the package -- for instance, could a buyer use a database management system to set up a commercial SDI service?

Some of these questions are also applicable if a package is obtained without cost. The selection of a system, even if it is obtained as a gift or as part of an exchange, is a weighty decision, involving significant financial outlays and influencing the future performance of the information system. The use of the term 'supplier' in the Inventory does not apply only to systems producers who sell their packages for renumeration, but should be interpreted to mean any organization which makes its software products available to others. There are dangers involved in relying on software from non-commercial sources. Documentation and maintenance support may be non-existent. If the supplier has no contractual obligation for the quality of his software, the recipient runs the risk of re-creating someone else's mistakes, with no possibility of calling for service or tracking the problem through the source program. In addition, such 'home-grown' software will often reflect conditions specific to its place of origin and may not necessarily be adaptable, without extensive tinkering, to another site. These caveats notwithstanding, non-commercial software should not be dismissed out of hand. When it comes from a reputable source and has been developed in circumstances similar to those in which it is to be applied, it could provide an attractive alternative to high-priced packages.

2.4.9 Costs

It is difficult to pin down the ultimate cost of acquiring and using a software package. The price of the package itself may be less than the indirect costs, such as installation, file conversion, training, documentation, maintenance, etc. A great deal depends, of course, on local circumstances, budgetary concerns and the success of negotiations with the supplier.

2.4.10 Special problems of developing countries

Institutions and firms in less-developed countries should take into account circumstances that may exacerbate the problem of selection. Physical distance from the centers of software development, combined with poor transportation and communication networks, make it hard to obtain the up-to-date information needed; the same factors might limit the options to suppliers willing to deliver to a remote site and might cause serious problems in servicing after delivery. It may be difficult to protect hardware from harsh environmental conditions, increasing the danger that sensitive equipment will succumb to heat, humidity, sand, etc. Financial considerations are likely to be even more serious in developing countries than elsewhere, especially when the transactions involved in acquiring hardware and software are in foreign currency. A low level of technological development suggests that the professional staff needed for programming, management, etc. may often not be available. The systems planner in a developing country must be ready to cope with these and other problems -- economic, technical, sociological -- that do not necessarily confront his counterparts in more developed countries.

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- CHAPTER 3 -

TABLES

TABLE 1 MAIN APPLICATIONS OF SYSTEM BY ACRONYM

	ACCOUNTING	ACQUISITION	ADDRESS LABELS	ARCHIVES INVENTORY & CONTROL	BUDGET CONTROL	CATALOGING	CIRCULATION	DATA ENTRY	DIRECTORY GENERATION	INDEXING	MANAGEMENT/MIS	PRINT GENERATOR	SDI	SEARCHING	SERIALS CONTROL	SOUNDEX	STATISTICS	TEXT EDITOR	THESAURUS	TRANSLATION	WORD PROCESSING
A-C-C-E-S-S-S (tm)									●				●	●				●			
ACS						●															
ACT (*)																					●
ADLIB	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●
ADMIN			●					●	●	●	●	●		●			●	●			●
ALEPH		●	●			●	●	●		●	●	●		●	●		●	●			
ALIS						●	●	●					●	●			●				
AMBER	●	●	●	●	●		●	●			●	●		●			●	●			
AMRS						●															
ANB (FE)						●															
ANULAS		●	●		●	●	●	●		●	●	●									
ARMIS	●			●				●			●			●							
ASPENSEARCH V (*)										●			●	●							
ATMS-III								●				●						●			●
AUTO-INDEX (*)				●		●			●	●		●									
AUTODOC			●	●		●	●	●	●	●		●	●	●				●	●		
AWA-URICA	●	●	●	●	●	●	●	●		●	●	●		●	●		●	●			●
BACS		●				●	●							●	●			●			
BASIS		●	●	●		●		●		●	●	●		●	●		●	●	●		

TABLE 1

MAIN APPLICATIONS OF SYSTEM BY ACRONYM

	ACCOUNTING	ACQUISITION	ADDRESS LABELS	ARCHIVES INVENTORY & CONTROL	BUDGET CONTROL	CATALOGING	CIRCULATION	DATA ENTRY	DIRECTORY GENERATION	INDEXING	MANAGEMENT/MIS	PRINT GENERATOR	SDI	SEARCHING	SERIALS CONTROL	SOUNDEX	STATISTICS	TEXT EDITOR	THESAURUS	TRANSLATION	WORD PROCESSING
BCE020		●	●	●		●	●	●				●	●	●	●		●		●	●	●
BIB/BATCH			●	●		●		●	●	●		●	●	●			●		●		
BIB/DIALOG								●				●		●							
BLAISE AWAY (*)														●							
BLASIM														●							
BLIS	●	●		●	●	●	●	●	●	●	●	●		●					●		
BRS/SEARCH A	●			●		●		●				●	●	●				●			
BRS/SEARCH B	●		●	●		●		●			●	●	●	●				●			
BUILDER	●		●					●			●	●		●			●				
BUMS			●			●	●	●		●		●		●			●	●			●
BVS						●		●						●					●		
CAIRS		●	●	●	●	●	●	●	●	●		●	●	●	●		●	●	●		●
CALCO						●											●	●	●		
CALS							●	●		●	●	●			●	●	●				
CAN/SDI	●		●										●	●							
CAT								●						●				●			
CBLS				●		●		●	●	●		●		●			●				
CDS/ISIS		●	●			●	●	●	●	●		●	●	●	●			●	●		
CHAMPS		●									●	●		●			●		●	●	
CHECKMATE (*)	●			●	●	●		●		●	●	●		●	●		●				

TABLE 1 MAIN APPLICATIONS OF SYSTEM BY ACRONYM

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CIRCUS							•	•									•				
CIRS									•	•				•					•		
CLAS	•	•			•			•			•			•			•				
CLWSOFT (*)										•		•									
COLPEP								•													
COMPAIS IIA		•				•	•	•	•	•		•	•	•	•			•	•		
CORTEX (*)								•										•			
COSTI-SDI	•												•				•				
COSTILIB		•		•		•		•													
CRYSTOR/CRISTALOR														•							
DARIUS			•	•				•	•	•	•	•	•	•							•
DECO									•	•		•	•	•					•		
DETHERM-SDR														•							
DEVELOP DB (*)			•					•	•	•				•				•	•		
DIALOG SIMULAT (*)														•							
DISO														•							
DML														•							
DOBIS						•	•	•		•				•							
DOBIS/LIBIS	•	•			•	•	•	•		•		•		•	•		•		•		
DOCSYS						•		•		•				•							

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DOKIS				*		*		*					*	*					*		*
DOMESTIC		*				*	*	*		*		*	*	*				*	*		*
DTAF																		*	*	*	
DYL-280 (*)	*		*		*				*			*		*			*				
EASY DATA (*)	*	*	*	*	*	*	*	*	*	*	*	*		*	*		*	*	*		*
EPOS/VIRA	*		*										*				*				
FAMDATA								*													
FIRS									*	*		*	*	*							
FORMATEXT-11						*		*							*			*	*		*
GEAC (*)		*		*	*	*	*	*	*	*	*	*		*	*		*	*			
GENCON V (*)						*															
GIPSY		*	*			*				*	*			*							
GOLDEN RETRIEVER (*)						*		*		*			*	*			*				
GOLEM	*							*		*			*	*			*	*	*		
GRIPS	*	*	*	*	*	*		*		*		*	*	*			*		*		
GS-100 (*)	*						*	*			*			*							
GS-1000 GS-2000 (*)	*						*	*			*			*							
GS-500 (*)		*			*						*						*				
HALO			*			*	*					*									
HOBITS							*	*	*	*		*	*	*					*		*

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HOMER (*)			●	●		●		●	●	●		●		●			●	●	●		●
I.S.S. (*)							●	●													
ILS (TM)	●			●	●	●	●	●		●				●	●				●		●
INMAGIC (*)		●	●	●	●	●	●	●	●	●	●	●	●	●	●				●		
INQUIRE	●	●	●	●	●	●	●	●	●	●	●		●	●	●				●		
IRIS	●	●	●	●	●	●		●			●	●		●	●		●				
IRS AIDOS DOS/ES	●	●				●			●	●	●	●	●	●			●		●	●	
JLB-DOC (*)						●		●		●			●	●			●	●	●		
KREATEX (*)	●	●	●	●		●		●		●		●							●		
L.I.S.		●	●	●		●	●	●	●	●	●	●		●	●				●		
LCS (*)				●			●	●		●				●			●				
LEAP		●			●							●		●							
LEXICO																			●		
LIBRIS						●								●							
LIBSER										●				●							
LMS		●		●		●		●		●		●		●				●	●		
LURID						●		●	●	●			●	●					●		
M.E.O.B.S.										●				●							
MAIMON	●	●	●	●	●	●	●	●	●	●		●	●	●	●		●		●		
MATRIX						●					●			●				●			

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MEDLARS	*	*	*	*		*		*		*	*	*	*	*	*		*		*		
METAMICRO (*)					*	*		*		*	*			*	*			*			*
MICRO-CAIRS			*	*		*	*	*	*	*		*	*	*				*	*		*
MICRODIALOG														*							
MIKRO POLYDOC (*)				*		*		*				*		*							
MILESTONESOFT																					
MILOR		*											*	*			*		*	*	
MIMER (*)	*	*	*	*	*	*	*	*	*	*	*	*		*			*				
MINDOK		*						*	*	*									*		*
MINISIS		*	*	*		*		*	*	*		*		*					*		
MIPS			*		*	*		*		*	*			*				*			*
MORPHS										*			*	*							
MULTILING			*	*		*		*				*		*			*	*	*	*	*
NEPHIS										*									*		
NONESUCH (*)	*	*			*																
NONESUCH MICRO (*)							*										*				*
NOTIS	*	*	*	*		*	*	*		*		*		*	*		*		*	*	
OLIS		*				*	*	*		*		*		*	*						
OMNISYS (*)								*		*	*			*					*		
ORIEL-ACQUI		*			*			*						*			*	*			

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ORIEL-BUREAUCAT		*				*		*		*		*			*						
ORIEL-CIRC/MANAGE							*	*						*	*		*				
ORIEL-INTERACTCAT						*		*		*				*	*			*	*		
ORIEL-MICRO						*	*	*		*				*	*			*	*		*
P.L.O.										*				*							
PAI		*				*		*				*						*			
PARCH				*		*		*		*		*		*			*	*			
PEARL	*	*	*	*	*		*	*			*	*		*	*		*	*			
PEDMS				*					*	*	*	*		*	*				*		
PLIDOS				*		*		*		*		*	*	*				*			
POLYDOC (*)			*	*		*		*	*	*		*	*	*			*		*	*	
PRECIS (*)																				*	
QUERY.COM			*						*					*			*				
QWIK-DRAFT III (*)																		*			*
R-CDS/ISIS (*)								*	*	*		*	*	*	*			*			
RAMIS II (*)	*	*	*	*	*	*	*	*	*	*					*		*				
RAPPORT			*	*		*	*	*	*	*	*			*					*		
RASMUS		*	*	*		*	*	*	*	*	*	*		*				*	*		*
RECON IV										*			*	*					*		
REPERTOIRE (*)						*															

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REPINDEX								•						•			•				
RESPONSA										•				•							
RETRIV (*)								•	•	•		•	•	•					•		
REVISD												•		•			•				
RPORTS																					•
RTFILE (*)			•	•		•		•	•	•		•		•				•			
S.I.B.I.L.		•	•			•	•	•	•	•				•			•				
SABER											•										
SAF				•		•	•		•	•	•		•	•			•				•
SALSSAH						•															
SCOLCAP	•	•	•		•	•		•		•	•	•		•			•	•			
SEARCH STRATEGY																					
SEED								•		•	•	•		•							
SERVIR							•					•			•						
SHLOF								•	•	•	•		•	•		•	•	•	•	•	•
SIFT								•						•							
SIM-400 M	•	•		•		•		•	•	•		•	•	•			•				
SIMS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•		•
SINFO 1300								•		•		•	•	•							
SIR										•				•							

TABLE 1 MAIN APPLICATIONS FOR SYSTEM BY ACRONYM

	ACCOUNTING	ACQUISITION	ADDRESS LABELS	ARCHIVES INVENTORY & CONTROL	BUDGET CONTROL	CATALOGING	CIRCULATION	DATA ENTRY	DIRECTORY GENERATION	INDEXING	MANAGEMENT/MIS	PRINT GENERATOR	SDI	SEARCHING	SERIALS CONTROL	SOUNDEX	STATISTICS	TEXT EDITOR	THESAURUS	TRANSLATION	WORD PROCESSING
SIR/DBMS								•				•					•	•			
SOFTINF				•						•				•							
SONAR			•					•	•	•		•	•						•		
SPIR														•							
SPLEEN3											•		•	•							
STAR								•		•		•		•				•			
STATUS						•	•	•	•	•	•	•	•	•	•			•	•		
STRIX (*)								•		•				•							
SUPRIR														•							
SYSTEM 1022 (*)	•		•	•	•		•	•	•	•	•			•	•						
T.A.M.I.L.				•		•	•	•	•	•		•		•			•				
TCAT																	•				
THETIS (*)																			•		
TLS	•	•			•	•	•	•		•				•			•				
THIS									•				•	•							
UNIDAS	•	•								•	•			•					•	•	
USERLINK (*)						•		•					•	•				•			•
UTOPIA						•								•					•		
VINCAPRINT								•	•			•	•	•				•			
VIP		•	•	•		•			•	•				•					•		

TABLE 1 MAIN APPLICATIONS FOR SYSTEM BY ACRONYM

Y-DOC	WLM	
●	●	ACCOUNTING
●	●	ACQUISITION
●		ADDRESS LABELS
●		ARCHIVES INVENTORY & CONTROL
●	●	BUDGET CONTROL
●	●	CATALOGING
●		CIRCULATION
●	●	DATA ENTRY
●		DIRECTORY GENERATION
●	●	INDEXING
●		MANAGEMENT/MIS
●		PRINT GENERATOR
		SDI
●	●	SEARCHING
●		SERIALS CONTROL
●		SOUNDEX
●		STATISTICS
●		TEXT EDITOR
●	●	THESAURUS
		TRANSLATION
●		WORD PROCESSING

TABLE 2 MAIN FEATURES BY ACRONYM

	BAR CODE	COM	ERROR MESSAGES	HELP ROUTINES	LIGHT PEN	NETWORKING	PHOTOCOMPOSITION	PROMPTING	RESTART
A-C-C-E-S-S-S (tm)			*	*		*		*	*
ACS			*						*
ACT (*)			*	*		*		*	*
ADLIB	*	*	*	*	*	*	*	*	*
ADMIN	*	*	*	*	*	*	*	*	*
ALEPH	*	*	*	*		*		*	
ALIS	*	*	*		*	*		*	*
AMBER			*	*		*		*	*
AMRS			*						*
ANB (FE)			*						
ANULAS	*	*	*	*				*	
ASPENSEARCH V (*)			*	*		*	*	*	*
ATMS-III			*	*				*	*
AUTO-INDEX (*)			*				*		*
AUTODOC		*	*	*			*	*	*
AWA-URICA	*	*	*	*	*	*		*	*
BACS	*			*	*			*	
BASIS			*	*		*		*	
BCE020				*		*		*	*
BIB/BATCH			*						

TABLE 2

MAIN FEATURES BY ACRONYM

	BAR CODE	COM	ERROR MESSAGES	HELP ROUTINES	LIGHT PEN	NETWORKING	PHOTOCOMPOSITION	PROMPTING	RESTART
BIB/DIALOG			*	*					*
BLAISE AWAY (*)			*	*				*	
BLAISERS2 (*)			*	*				*	
BLASIM			*					*	
BLIS	*	*	*	*	*	*			*
BRS/SEARCH A			*					*	*
BRS/SEARCH B			*			*		*	*
BUILDER			*	*				*	
BUMS	*	*	*	*	*	*	*		*
BVS		*	*	*					*
CAIRS		*	*	*		*	*	*	
CALCO		*	*						
CALS			*	*				*	*
CAT				*					
CBLS		*	*						
CDS/ISIS		*	*	*		*	*	*	*
CHAMPS			*						
CHECKMATE (*)			*	*				*	*
CIRCUS	*				*			*	*
CIRS								*	*
CLAS			*					*	

TABLE 2 MAIN FEATURES BY ACRONYM

	BAR CODE	COM	ERROR MESSAGES	HELP ROUTINES	LIGHT PEN	NETWORKING	PHOTOCOMPOSITION	PROMPTING	RESTART
CLWSOFT (*)			*					*	
COLPEP			*					*	*
COMPAIS IIA			*	*				*	*
CORTEX (*)			*	*				*	*
COSTI-SDI				*				*	*
COSTILIB			*	*				*	
CRYSTOR/CRISTALOR			*	*		*		*	*
DARIUS			*	*			*	*	*
DATA RECEIVER (*)	*		*	*				*	
DECO		*	*			*	*	*	*
DETHERM-SDR			*	*					
DEVELOP DB (*)			*	*		*		*	
DIALOG SIMULAT (*)			*	*				*	
DISO								*	
DML			*						
DOBIS	*				*			*	*
DOBIS/LIBIS	*	*	*	*		*		*	*
DOCSYS			*	*				*	*
DOKIS			*	*				*	*
DOMESTIC			*			*			*
DTAF			*					*	

TABLE 2 MAIN FEATURES BY ACRONYM

	BAR CODE	COM	ERROR MESSAGES	HELP ROUTINES	LIGHT PEN	NETWORKING	PHOTOCOMPOSITION	PROMPTING	RESTART
DYL-280 (*)			*						
EASY DATA (*)	*	*	*	*	*	*	*	*	*
EPOS/VIRA			*	*					
FAMDATA			*					*	
FIRS			*	*					
FORMATEXT-11			*	*		*		*	*
FOSSILS2 (*)			*	*				*	
GEAC (*)	*	*	*	*	*	*		*	*
GENCON V (*)									
GIPSY			*	*				*	
GOLDEN RETRIEVER (*)			*	*				*	*
GOLEM		*	*	*	*			*	*
GRIPS			*	*		*		*	*
GS-100 (*)	*	*	*	*	*				
GS-1000 GS-2000 (*)	*	*	*	*	*				
GS-500 (*)			*	*		*		*	*
HALO					*				
HOBITS	*	*	*	*	*	*		*	
HOMER (*)			*	*		*		*	*
I.S.S. (*)			*					*	
ILS (TM)	*		*	*		*		*	

TABLE 2 MAIN FEATURES BY ACRONYM

	BAR CODE	COM	ERROR MESSAGES	HELP ROUTINES	LIGHT PEN	NETWORKING	PHOTOCOMPOSITION	PROMPTING	RESTART
INMAGIC (*)			*	*				*	
INQUIRE			*	*		*		*	*
IRIS			*	*		*		*	*
IRS AIDOS DOS/ES		*	*	*			*		
JLB-DOC (*)			*	*					*
KREATEK (*)			*	*					
L.I.S.			*	*				*	*
LCS (*)	*		*		*	*		*	*
LEAP			*					*	
LEXICO							*		
LIBRIS		*	*			*			
LIBSER								*	
LMS			*	*				*	
LURID									
M.E.O.B.S.			*	*					*
MAIMON	*	*	*	*	*	*			
MATRIX				*		*		*	*
MEDLARS		*	*	*			*	*	*
METAMICRO (*)			*	*				*	
MICRO-CAIRS		*		*		*		*	
MICRODIALOG			*	*					

TABLE 2

MAIN FEATURES BY ACRONYM

	BAR CODE	COM	ERROR MESSAGES	HELP ROUTINES	LIGHT PEN	NETWORKING	PHOTOCOMPOSITION	PROMPTING	RESTART
MIKRO POLYDOC (*)			*	*				*	*
MILESTONESOFT			*	*				*	*
MILOR			*	*				*	
MIMER (*)			*	*				*	*
MINDOK			*	*		*		*	*
MINISIS		*	*	*			*	*	
MIPS		*	*	*		*	*	*	*
MULTILING			*	*			*		*
MUTE2			*	*				*	
NONESUCH (*)			*	*		*		*	*
NONESUCH MICRO (*)	*		*			*		*	*
NOTIS	*	*	*	*	*	*		*	*
OLIS			*					*	
OMNISYS (*)			*	*			*	*	
ORIEL-ACQUI			*	*		*		*	
ORIEL-BUREAUCAT		*	*				*		
ORIEL-CIRC/MANAGE	*		*	*	*	*		*	
ORIEL-INTERACTCAT			*	*		*		*	
ORIEL-MICRO	*		*	*	*	*		*	
PAI			*						
PARCH			*	*				*	*

TABLE 2 MAIN FEATURES BY ACRONYM

	BAR CODE	COM	ERROR MESSAGES	HELP ROUTINES	LIGHT PEN	NETWORKING	PHOTOCOMPOSITION	PROMPTING	RESTART
PEARL			*	*		*		*	*
PEDMS			*			*			*
PLIDOS			*	*		*		*	
POLYDOC (*)		*	*	*			*	*	*
PRECIS (*)			*						
QUERY.COM				*					
QWIK-DRAFT III (*)			*	*				*	
R-CDS/ISIS (*)			*				*	*	*
RAMIS II (*)			*	*	*	*		*	
RAPPORT			*	*				*	*
RASMUS			*	*				*	*
RECON IV			*	*					*
REPERTOIRE (*)									
REPINDEX			*	*			*	*	
RESPONSA		*	*	*	*	*		*	*
RETRIV (*)			*	*				*	
REVISD			*						
RPORTS			*						
S.I.B.I.L.	*	*	*		*	*	*	*	
SABER			*						
SAF			*	*				*	

TABLE 2 MAIN FEATURES BY ACRONYM

	BAR CODE	COM	ERROR MESSAGES	HELP ROUTINES	LIGHT PEN	NETWORKING	PHOTOCOMPOSITION	PROMPTING	RESTART
SALSSAH		*	*						*
SCOLCAP		*	*	*		*		*	*
SEARCH STRATEGY			*	*					
SEED			*	*				*	
SERVIR			*						
SHLOF			*				*	*	*
SIFT			*	*		*		*	
SIM-400 M			*	*					*
SIMS	*		*	*	*	*		*	*
SINFO 1300			*						
SIR			*	*					
SIR/DBMS			*	*				*	
SONAR			*						
SPIR			*					*	*
SPLEEN3				*		*		*	
SSDC (*)			*	*				*	
STAR			*	*		*			
STATUS		*	*	*		*		*	
STRIX (*)			*					*	
SUPRIR			*	*					
SYSTEM 1022 (*)			*					*	

TABLE 2 MAIN FEATURES BY ACRONYM

	BAR CODE	COM	ERROR MESSAGES	HELP ROUTINES	LIGHT PEN	NETWORKING	PHOTOCOMPOSITION	PROMPTING	RESTART
T.A.M.I.L.			*	*				*	*
TCAT			*	*					
THETIS (*)									
TLS	*		*	*	*			*	*
TOPSI			*	*				*	*
TRIS			*					*	*
UNIDAS			*	*					*
USERLINK (*)			*	*		*		*	
UTOPIA			*						
VINCAPRINT			*						
VIP			*	*				*	
WLN		*	*			*		*	*
Y-DOC			*	*				*	*

TABLE 3 REQUIRED COMPILERS FOR SOFTWARE PACKAGES

COMPILER ACRO	ASSEMBLER	BASIC	COBOL	FORTRAN	PL1	OTHERS
A-C-C-E-S-S (tm)	*					
ACS			*		*	
ACT (*)	*					
ADLIB				*		
ADMIN				*		
ALEPH			*	*		
ALIS	*		*	*		
AMRS	*		*		*	
ANB (FE)					*	
ANULAS	*			*		
ARMIS			*			
ASPENSEARCH V (*)	*					
ATMS-III	*					
AUTO-INDEX (*)	*					
AUTODOC			*			ALGOL
AWA-URICA		*				
BACS						MUMPS
BASIS	*			*		
BCE020						DMALGOL,DCALGOL, BDMSCOBOL
BIB/BATCH			*			
BIB/DIALOG			*			
BLAISERS2 (*)		*				
BLASIM		*				

TABLE 3

REQUIRED COMPILERS FOR SOFTWARE PACKAGES

COMPILER / ACRO	ASSEMBLER	BASIC	COBOL	FORTRAN	PL1	OTHERS
BLIS	*				*	
BRS/SEARCH A	*		*			
BRS/SEARCH B						'C'
BUILDER	*					
BUMS	*		*			
BVS	*					
CAIRS	*					RTL2
CALCO			*			
CALS	*		*			
CAN/SDI	*				*	
CBLS			*			
CDS/ISIS	*				*	CICS required for conversational programs
CHAMPS	*		*			Assembler required only if CICS version desired
CHECKMATE (*)		*				
CIRCUS	*			*		
CIRS	*			*		
CLAS		*				
CLWSOFT (*)		*				
COLPEP	*					
COMPAIS IIA		*	*			
CORTEX (*)	*					Intel 8080, Intel 8086
COSTI-SDI	*		*	*		
COSTILIB			*			

TABLE 3

REQUIRED COMPILERS FOR SOFTWARE PACKAGES

COMPILER ACRO	ASSEMBLER	BASIC	COBOL	FORTRAN	PL1	OTHERS
CRYSTOR/CRISTALOR				*		SNOBOL4
DARIUS	*			*		
DATA RECEIVER (*)	*	*				cross-assembler with macro structure for 1802,6502, 8085, Z80
DECO	*			*		
DETHERM-SDR	*			*		
DIALOG SIMULAT (*)		*				
DISO						RPG II
DML	*				*	
DOBIS	*				*	
DOBIS/LIBIS	*				*	
DOCSYS				*		Fortran-77
DOKIS		*	*			
DOMESTIC	*			*		
DTAF	*					
EASY DATA (*)						DATABUS
EPOS/VIRA	*					
FAMDATA				*		
FIRS		*				
FORMATEXT-11	*					
FOSSILS2 (*)		*				
GEAC (*)		*				ZOPL
GENCON V (*)					*	
GIPSY	*					

TABLE 3 REQUIRED COMPILERS FOR SOFTWARE PACKAGES

COMPILER ACRO	ASSEMBLER	BASIC	COBOL	FORTRAN	PL1	OTHERS
GOLDEN RETRIEVER (*)		*				
GOLEM	*					
GRIPS	*					Own
GS-1000 GS-2000 (*)	*			*		
GS-500 (*)						UCSD PASCAL
HALO	*		*			
HOBITS		*				
HOMER (*)	*		*			
I.S.S. (*)		*				MBASIC
ILS (TM)						MUMPS Interpretative
INQUIRE					*	
IRIS		*				
IRS AIDOS DOS/ES	*					
JLB-DOC (*)	*					DTF
L.I.S.	*					
LCS (*)			*			
LEAP		*				BASIC PLUS 2
LEXICO				*		
LIBRIS	*		*			
LIBSER				*		
LMS						DTR (Datatrieve program of DIGITAL)
LURID		*				
M.E.O.B.S.	*	*				

TABLE 3

REQUIRED COMPILERS FOR SOFTWARE PACKAGES

COMPILER ACRO	ASSEMBLER	BASIC	COBOL	FORTRAN	PL1	OTHERS
MAIMON		*				
MATRIX		*				
MEDLARS	*				*	
METAMICRO (*)						Pascal (UniFLEX)
MICRO-CAIRS						None - supplied compiled from RTL/2 source
MICRODIALOG		*				
MIKRO POLYDOC (*)						PASCALPLUS
MILESTONESOFT				*		APL
MILOR				*		+ SIP
MINDOK	*			*		
MINISIS						SPL
MIPS	*				*	PLM
MORPHS		*				FORTRAN IV being implemented
MULTILING	*		*			
MUTE2		*				
NEPHIS		*		*		or MAXBASIC
NONESUCH MICRO (*)			*			ANSI 174 COBOL level 1
NOTIS	*				*	
OLIS				*		V/PLUS IMAGE (HP products)
OMNISYS (*)	*			*		
ORIEL-ACQUI		*				BCPL
ORIEL-BUREAUCAT	*					BCPL
ORIEL-CIRC/MANAGE	*					BCPL

TABLE 3

REQUIRED COMPILERS FOR SOFTWARE PACKAGES

COMPILER ACRO	ASSEMBLER	BASIC	COBOL	FORTRAN	PL1	OTHERS
ORIEL-INTERACTCAT	*					BCPL
ORIEL-MICRO		*				BCPL
P.L.O.				*		
PAI			*			
PARCH				*		
PEDMS	*			*		
PLIDOS		*				no compiler, BASIC with interpreter
POLYDOC (*)	*			*		
PRECIS (*)		*				
QWIK-DRAFT III (*)	*					
R-CDS/ISIS (*)	*				*	
RAMIS II (*)						own
RAPPORT				*		
RASMUS		*				
RECON IV	*			*	*	
REPERTOIRE (*)					*	
REPINDEX	*	*			*	
RESPONSA	*				*	
RETRIV (*)	*					SIMULA
REVISD	*				*	
RPORTS						Compiled binaries supplied
RTFILE (*)				*		
S.I.B.I.L.					*	

TABLE 3

REQUIRED COMPILERS FOR SOFTWARE PACKAGES

COMPILER ACRO	ASSEMBLER	BASIC	COBOL	FORTRAN	PL1	OTHERS
SABER			*			
SAF	*					Pascal
SALSSAH					*	
SCOLCAP			*			
SEARCH STRATEGY		*				
SEED	*			*		
SERVIR			*			
SHLOF				*		Basic C, Fortran
SIFT				*		FORTRAN 77
SIM-400 M	*					
SIMS						None required
SINFO 1300			*			
SIR		*				C basic
SIR/DBMS	*			*		
SOFTINF				*		
SONAR			*			
SPIR	*			*		SNOBOL4
SPLEEN3	*				*	
SSDC (*)		*				
STAR						None required for STAR
STATUS	*			*		
STRIX (*)		*				
SUPRIR			*			

TABLE 3 REQUIRED COMPILERS FOR SOFTWARE PACKAGES

COMPILER ACMD	ASSEMBLER	BASIC	COBOL	FORTRAN	PL1	OTHERS
SYSTEM 1022 (*)	*					MACRO
T.A.M.I.L.		*				BB2 from SMC (USA)
TCAT			*	*		
THETIS (*)					*	
TLS			*			SPL
TOPSI		*				
TRIS	*		*	*		
UNIDAS	*		*			
USERLINK (*)						Machine code for direct running
VINCAPRINT			*			
VIP	*					
WLN	*				*	
Y-DOC				*		MACRO

TABLE 4 PRICE RANGE BY MAIN FUNCTION (SOURCE CODE)

MAIN FUNCTION / PRICE RANGE	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
NO CHARGE	CAN/SDI CDS/ISIS CLWSOFT (*) COMPAIS II A DML NEPHIS PRECIS (*) R-CDS/ISIS (*)	ACS AMRS ANB (FE) CDS/ISIS COMPAIS II A GENCON V (*) LEAP SALSSAH	CDS/ISIS CLWSOFT (*) COMPAIS II A R-CDS/ISIS (*)	BLASIM R-CDS/ISIS (*) TOPSI
UP TO $5,000	A-C-C-E-S-S (tm) CHECKMATE (*) DISO GOLDEN RETRIEVER (*) L.I.S. LMS PLIDOS SINFO 1300 USERLINK (*) VINCAPRINT	A-C-C-E-S-S (tm) CHECKMATE (*) CLAS GOLDEN RETRIEVER (*) I.S.S. (*) L.I.S. LMS VINCAPRINT	CHECKMATE (*) GOLDEN RETRIEVER (*) L.I.S.	BLAISE AWAY (*) BLAISERS2 (*) DATA RECEIVER (*) DIALOG SIMULAT (*) FOSSILS2 (*) I.S.S. (*) MICRODIALOG MUTE 2 PLIDOS SEARCH STRATEGY SSDC (*)
$5,001 - $10,000	CBLS MAIMON RASMUS REVISD SOFTINF	CBLS ILS (TM) LIBRIS MAIMON RASMUS	MAIMON RASMUS REVISD	

TABLE 4 PRICE RANGE BY MAIN FUNCTION (SOURCE CODE)

MAIN FUNCTION / PRICE RANGE	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
$10,001 - $50,000	ADMIN BACS BUILDER CIRCUS CIRS DARIUS DETHERM-SDR DOCSYS FIRS HOBITS LCS (*) RTFILE (*) T.A.M.I.L. VIP	BACS CALS DOCSYS FIRS HOBITS LCS (*) NONESUCH (*) NONESUCH MICRO (*) RTFILE (*) S.I.B.I.L.	ADMIN BUILDER DARIUS DOCSYS FIRS RTFILE (*) S.I.B.I.L.	
$50,001 - $100,00	ADLIB COSTI-SDI MEDLARS NOTIS SCOLCAP	ADLIB GEAC (*) NOTIS SCOLCAP	ADLIB SCOLCAP	SCOLCAP
MORE THAN $100,00	AWA-URICA BASIS IRIS RECON IV SAF	AWA-URICA BASIS IRIS WLN	AWA-URICA BASIS CHAMPS IRIS RECON IV WLN	
FOR LEASE ONLY	DTAF GIPSY GRIPS	DTAF		

TABLE 4 PRICE RANGE BY MAIN FUNCTION (OBJECT CODE)

MAIN FUNCTION / PRICE RANGE	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
NO CHARGE (Also see footnote p.51)	CAN/SDI CDS/ISIS CLWSOFT (*) COMPAIS II A DML NEPHIS PRECIS (*) R-CDS/ISIS (*) RETRIV (*)	CDS/ISIS COMPAIS II A LEAP	CDS/ISIS CLWSOFT (*) COMPAIS II A R-CDS/ISIS (*)	BLASIM R-CDS/ISIS (*)
UP TO $5,000	AMBER CHECKMATE (*) COLPEP CORTEX (*) FIRS GOLDEN RETRIEVER (*) MIKRO POLYDOC (*) PEARL PLIDOS QUERY.COM RASMUS REVISD RTFILE (*) SAF SIM-400 M SINFO 1300 SIR STRIX (*)	AMBER CHECKMATE (*) CORTEX (*) FIRS GOLDEN RETRIEVER (*) ORIEL-MICRO PEARL RASMUS RTFILE (*)	CHECKMATE (*) FIRS GOLDEN RETRIEVER (*) ORIEL-MICRO PEARL RASMUS REVISD RTFILE (*) STRIX (*)	M.E.O.B.S. PLIDOS

TABLE 4 PRICE RANGE BY MAIN FUNCTION (OBJECT CODE)

MAIN FUNCTION / PRICE RANGE	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
$5,001 - $10,000	BRS/SEARCH B DARIUS DOCSYS DOKIS GS-100 (*) GS-500 (*) IRIS IRS AIDOS DOS/ES JLB-DOC (*) MATRIX OLIS	BRS/SEARCH B COSTILIB DOCSYS GS-100 (*) GS-500 (*) IRIS LIBRIS MATRIX METAMICRO (*) OLIS ORIEL-ACQUI	BRS/SEARCH B DARIUS DOCSYS GS-500 (*) IRIS IRS AIDOS DOS/ES OLIS	IRS AIDOS DOS/ES TCAT
$10,001 - $50,000	ADLIB ADMIN ASPENSEARCH V (*) CAIRS COSTI-SDI DOBIS/LIBIS DYL-280 (*) FORMATEXT-11 GOLEM HOMER (*) INMAGIC (*) L.I.S. LEXICO MILOR MIMER (*) MINDOK MINISIS (**) OMNISYS (*) POLYDOC (*) QWIK-DRAFT III (*) STAR SYSTEM 1022 (*) Y-DOC	ADLIB CAIRS DOBIS/LIBIS INMAGIC (*) L.I.S. MIMER (*) MINISIS (**) ORIEL-CIRC/MANAGE Y-DOC	ADLIB ADMIN AUTO-INDEX (*) CAIRS INMAGIC (*) L.I.S. MIMER (*) MINISIS (**) OMNISYS (*) PEDMS RAPPORT SIR/DBMS SYSTEM 1022 (*) Y-DOC	CAIRS

(**) MINISIS is offered free of charge to non-profit and governmental organizations in developing countries.

TABLE 4 PRICE RANGE BY MAIN FUNCTION (OBJECT CODE)

MAIN FUNCTION PRICE RANGE	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
$50,001 - $100,00	ALEPH AWA-URICA BRS/SEARCH A BVS DOMESTIC EASY DATA (*) INQUIRE ORIEL-INTERACTCAT RAMIS II (*) SHLOF STATUS	ALEPH AWA-URICA BRS/SEARCH A BVS DOMESTIC EASY DATA (*) INQUIRE ORIEL-INTERACTCAT STATUS	AWA-URICA BRS/SEARCH A BVS DOMESTIC EASY DATA (*) INQUIRE ORIEL-INTERACTCAT RAMIS II (*) STATUS	
MORE THAN $100,00	BLIS MIPS SIMS	BLIS SIMS	BLIS MIPS SIMS	
FOR LEASE ONLY	UNIDAS	ORIEL-BUREAUCAT	ORIEL-BUREAUCAT	

TABLE 5 MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER (MICROCOMPUTERS)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
ACT				
US	MICRO-CAIRS	MICRO-CAIRS		
Alpha Micro				
AM 100/T	STAR			
Altos Computer Systems				
	MIKRO POLYDOC (*)			
Apple Computer Inc.				
	MIKRO POLYDOC (*)			
Model II				BLAISE AWAY (*) DIALOG SIMULAT (*)
Model II+	A-C-C-E-S-S (tm) GS-100 (*) GS-500 (*)	A-C-C-E-S-S (tm) GS-100 (*) GS-500 (*)	GS-500 (*)	
Commodore Business Machines				
CBM 8032	PLIDOS			PLIDOS
CBM 8050	PLIDOS			PLIDOS
PET-ALL MODELS				MICRODIALOG SEARCH STRATEGY
PET 2001-8	NEPHIS			
PET 3032				TOPSI
PET 4032				TOPSI
Digital Equipment Corp.				
Professional 350	MICRO-CAIRS	MICRO-CAIRS		
Dynabyte				
DYNABYTE	MIKRO POLYDOC (*)			
Future Technology Systems				
88-ALL MODELS	MICRO-CAIRS	MICRO-CAIRS		

TABLE 5 - MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER
(MICROCOMPUTERS)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
IBM				
Personal Computer	MICRO-CAIRS	MICRO-CAIRS		
Intel				
ITPS 86/445	MIPS		MIPS	
Intertec Data Systems				
SUPERBRAIN	HOMER (*) USERLINK (*) FIRS	I.S.S. (*) FIRS	FIRS	I.S.S. (*) MICRODIALOG SEARCH STRATEGY
Matsusmita				
Panasonic JD-8000				DATA RECEIVER (*)
Panasonic JD-840				DATA RECEIVER (*)
Panasonic JD-850				DATA RECEIVER (*)
Mykron				
MYCRON 2000	MIKRO POLYDOC (*)			
Northstar Computers				
NORTHSTAR	MIKRO POLYDOC (*)			
Onyx				
ONYX C-8002	T.A.M.I.L.			
Radio Shack, Tandy Corp.				
Model II	CHECKMATE (*)	CHECKMATE (*)	CHECKMATE (*)	
TRS 80	CHECKMATE (*)	CHECKMATE (*)	CHECKMATE (*)	
Rair				
Black Box 3/30	FIRS	FIRS	FIRS	
Research Machines Ltd.				
380Z	CLWSOFT (*) FIRS QUERY.COM SIR	FIRS	CLWSOFT (*) FIRS	M.E.O.B.S.

TABLE 5 MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER (MICROCOMPUTERS)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
South West Technical Products Corp.				
S+ SO/9	STRIX (*)	METAMICRO (*)	STRIX (*)	
Xerox Corp.				
XEROX	MIKRO POLYDOC (*)			
Zygal Dynamics				
ZENTEC ZMS-70	CORTEX (*)	CORTEX (*)		

TABLE 5 - MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER (MINICOMPUTERS)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
ATM Computer				
ATM 80-ALL MODELS			PEDMS	
Data General				
ECLIPSE C150	CIRCUS			
ECLIPSE MV6000		ILS (TM)		
NOVA/ECLIPSE-ALL MODELS	L.I.S.	L.I.S.	L.I.S.	
Datapoint				
6000	EASY DATA (*)	EASY DATA (*)	EASY DATA (*)	
Digico P.L.C.				
M28	LURID PRECIS (*)	I.S.S. (*)		I.S.S. (*)
Digital Equipment Corp.				
LSI 11-ALL MODELS	MINDOK RTFILE (*)	RTFILE (*)	PEDMS RTFILE (*)	
PDP 11	MILOR AMBER BUILDER CAIRS DOMESTIC FORMATEXT-11 GS-1000 GS-2000 (*) INMAGIC (*) IRIS MATRIX MINDOK ORIEL-INTERACTCAT PEARL RTFILE (*) SEED SHLOF SIMS STRIX (*) Y-DOC	AMBER CAIRS DOMESTIC GS-1000 GS-2000 (*) INMAGIC (*) IRIS MATRIX ORIEL-CIRC/MANAGE ORIEL-INTERACTCAT PEARL RTFILE (*) SIMS Y-DOC	BUILDER CAIRS DOMESTIC GS-1000 GS-2000 (*) INMAGIC (*) IRIS ORIEL-INTERACTCAT PEARL PEDMS RTFILE (*) SEED SIMS STRIX (*) Y-DOC	CAIRS
PDP 11/23	LMS	ILS (TM) LMS		
PDP 11/24	COSTI-SDI LMS	LMS ORIEL-ACQUI		
PDP 11/34	BACS	BACS	BRS/SEARCH B	

TABLE 5 MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER (MINICOMPUTERS)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
PDP 11/34	BRS/SEARCH B COSTI-SDI HOBITS LMS MAIMON	BRS/SEARCH B HOBITS LMS MAIMON	MAIMON	
PDP 11/44	BRS/SEARCH B COSTI-SDI LMS	BRS/SEARCH B LMS	BRS/SEARCH B	
PDP 11/70	BRS/SEARCH B COSTI-SDI LEXICO	BRS/SEARCH B COSTILIB HALO ILS (TM) LEAP	BRS/SEARCH B HALO	
VAX-ALL MODELS	AMBER BUILDER CAIRS INMAGIC (*) MATRIX MINDOK PEARL POLYDOC (*) SEED SHLOF Y-DOC	AMBER CAIRS INMAGIC (*) MATRIX PEARL Y-DOC	BUILDER CAIRS INMAGIC (*) PEARL PEDMS SEED SIR/DBMS	CAIRS
VAX 11/730	DOCSYS LMS	DOCSYS LMS	DOCSYS	
VAX 11/750	ARMIS DOCSYS LMS P.L.O. STRIX (*)	DOCSYS LMS	ARMIS DOCSYS STRIX (*)	
VAX 11/780	BASIS DOCSYS LEXICO LMS	BASIS CLAS DOCSYS LMS	BASIS DOCSYS	MUTE2
VAX 11/782	DOCSYS	DOCSYS	DOCSYS	
Harris				
HARRIS HARRIS 500	DECO			MUTE2
Hewlett-Packard				
HP 1000	INMAGIC (*) MILOR	INMAGIC (*)	INMAGIC (*)	
HP 2000 HP 3000	INMAGIC (*)	INMAGIC (*)	INMAGIC (*)	BLASIM SCOLCAP

TABLE 5 - MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER
(MINICOMPUTERS)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
HP 3000	MILOR MINISIS OLIS SCOLCAP STATUS	MINISIS OLIS SCOLCAP STATUS TLS	MINISIS OLIS SCOLCAP STATUS	
Honeywell Information Systems				
Honeywell - All models			SIR/DBMS	
Series 60, Level 6	MILOR VINCAPRINT	VINCAPRINT		
DPS 6	JLB-DOC (*)			
DPS 6/64	SONAR SUPRIR	PAI	SABER	
DPS 8/46	BUMS	BUMS	BUMS	
SIGMA 5-6	VIP			
IBM				
IBM 34	DISO INMAGIC (*)	INMAGIC (*)	INMAGIC (*)	
IBM Series-1	MULTILING	ILS (TM)	MULTILING	
Mera-Elwro				
MERA 400	SIM-400 M			
Microdata				
AWA-Reality 6000	AWA-URICA	AWA-URICA	AWA-URICA	
AWA-Reality 8000	AWA-URICA	AWA-URICA	AWA-URICA	
AWA-Sequel VMS-3265	AWA-URICA	AWA-URICA	AWA-URICA	
Modcomp Corp.				
MODCOMP IV-7870			PEDMS	
Nixdorf Computer				
NIXDORF 8860	DOKIS			
NIXDORF 8860/6	COLP&P			
NIXDORF 8870	DOKIS			

TABLE 5 MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER (MINICOMPUTERS)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
Norsk Data				
ND 10	POLYDOC (*) SIFT			
ND 100	POLYDOC (*) SIFT			
ND 500	SIFT			
ND 520	OMNISYS (*)		OMNISYS (*)	
Perkin Elmer Inc.				
PE-ALL MODELS			SIR/DBMS	
PE 3200	CAIRS SEED STATUS	CAIRS STATUS	CAIRS SEED STATUS	CAIRS
PE 8/32C		ANULAS		
Philips				
P 857-859	DOMESTIC	DOMESTIC	DOMESTIC	
Prime Computer				
PRIME-ALL MODELS	ADLIB ADMIN POLYDOC (*)	ADLIB	ADLIB ADMIN SIR/DBMS	
PRIME 150-750	SEED		SEED	
PRIME 250	MORPHS			
PRIME 300	STATUS	STATUS	STATUS	
PRIME 400	LIBSER			BLAISERS2 (*) FOSSILS2 (*) MUTE2 SSDC (*)
PRIME 450	CAIRS STATUS	CAIRS STATUS	CAIRS STATUS	CAIRS
PRIME 550	CAIRS DECO STATUS	CAIRS STATUS	CAIRS STATUS	CAIRS
PRIME 650	CAIRS STATUS	CAIRS STATUS	CAIRS STATUS	CAIRS
PRIME 750				MUTE2
Texas Instruments Inc.				
TI 990/10	CAIRS	CAIRS	CAIRS	CAIRS
TI 990/12	CAIRS	CAIRS	CAIRS	CAIRS
TI 990/A	CAIRS	CAIRS	CAIRS	CAIRS
TI 990/B	CAIRS	CAIRS	CAIRS	CAIRS

TABLE 5 - MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER (MINICOMPUTERS)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
Wang Laboratories Computer				
WANG-ALL MODELS	STATUS	STATUS	STATUS	
WANG 2200	CAT	NONESUCH (*)		
WANG 2200T	REPINDEX	REPINDEX	REPINDEX	

TABLE 5 MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER (MAINFRAMES)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
Amdahl				
AMDAHL 470	EPOS/VIRA			
Burroughs Corp.				
BURROUGHS	AUTODOC			AUTODOC MUTE2
BURROUGHS 6700	BIB/BATCH BIB/DIALOG STATUS	STATUS	BIB/BATCH BIB/DIALOG STATUS	
BURROUGHS 6712		BCE020		
Control Data Corp.				
CDC-ALL MODELS	BASIS VINCAPRINT	BASIS VINCAPRINT	BASIS SIR/DBMS	
CDC 6X00	ALEPH CIRS SEED	ALEPH	SEED	
CDC 7600	STATUS	STATUS	STATUS	
CYBER-ALL MODELS	DEVELOP DB (*) SEED		SEED SIR/DBMS	
CYBER 170	CIRS			
CYBER 170/700	ALEPH	ALEPH		
CYBER 170/800	ALEPH	ALEPH		
CYBER 178	SOFTINF			
CYBER 70	ALEPH	ALEPH		
CYBER 72	DARIUS		DARIUS	
CYBER 73	NEPHIS			
Digital Equipment Corp.				
DEC 10	SEED SYSTEM 1022 (*) BASIS INMAGIC (*) RETRIV (*)	BASIS INMAGIC (*)	SEED SYSTEM 1022 (*) BASIS INMAGIC (*)	
DEC 1090	NEPHIS			
DEC 20	SEED SYSTEM 1022 (*) BASIS INMAGIC (*) MATRIX RETRIV (*)	BASIS INMAGIC (*) MATRIX	SEED SYSTEM 1022 (*) BASIS INMAGIC (*)	
DEC 2020	SYSTEM 1022 (*)		SYSTEM 1022 (*)	
DEC 2040	SYSTEM 1022 (*)		SYSTEM 1022 (*)	

TABLE 5 - MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER (MAINFRAMES)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
DEC 2050	SYSTEM 1022 (*)		SYSTEM 1022 (*)	
DEC 2060	SYSTEM 1022 (*)		SYSTEM 1022 (*)	
Fujitsu-Co				
FACOM M-200	UTOPIA			
M180IIAD		ACS AMRS ANB (FE) GENCON V (*) SALSSAH		
Geac Ltd.				
GEAC 4000	STATUS	STATUS	STATUS	
GEAC 6000		GEAC (*)		
GEAC 8000		GEAC (*)		
IBM				
IBM-ALL MODELS	BASIS BASIS CDS/ISIS GIPSY	BASIS BASIS CDS/ISIS ORIEL-BUREAUCAT	BASIS BASIS ORIEL-BUREAUCAT SIR/DBMS	TCAT
IBM 3031	LCS (*)	LCS (*) S.I.B.I.L.	S.I.B.I.L.	
IBM 3033	CRYSTOR/CRISTALOR MULTILING SPIR STATUS	STATUS	MULTILING STATUS	
IBM 3033 MP	MEDLARS			
IBM 303X	ASPENSEARCH V (*) BRS/SEARCH A DML DOBIS/LIBIS DTAF MIPS QWIK-DRAFT III (*) SEED	BRS/SEARCH A DOBIS/LIBIS LIBRIS	AUTO-INDEX (*) BRS/SEARCH A MIPS SEED	
IBM 3081	MULTILING		MULTILING	
IBM 308X	BRS/SEARCH A DTAF	BRS/SEARCH A	BRS/SEARCH A	
IBM 30XX	BLIS CAN/SDI DYL-280 (*) INQUIRE NOTIS RAMIS II (*)	BLIS INQUIRE NOTIS	BLIS INQUIRE RAMIS II (*) RECON IV	

TABLE 5 MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER (MAINFRAMES)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
IBM 30XX IBM 360	RECON IV ASPENSEARCH V (*) CAN/SDI CBLS DML DYL-280 (*) QWIK-DRAFT III (*) RAMIS II (*) SEED	CBLS	AUTO-INDEX (*) RAMIS II (*) SEED	
IBM 360/50 IBM 370	REVISD ASPENSEARCH V (*) BLIS BRS/SEARCH A CAN/SDI CBLS DML DOBIS/LIBIS DTAF DYL-280 (*) INQUIRE MIPS NOTIS QWIK-DRAFT III (*) RAMIS II (*) RECON IV SEED STATUS	BLIS BRS/SEARCH A CALS CBLS DOBIS/LIBIS INQUIRE NOTIS STATUS	REVISD ATMS-III AUTO-INDEX (*) BLIS BRS/SEARCH A INQUIRE MIPS RAMIS II (*) RECON IV SEED STATUS	
IBM 370/142 IBM 370/145 IBM 370/148	REVISD	CALCO ACS AMRS ANB (FE) GENCON V (*) S.I.B.I.L. SALSSAH	REVISD S.I.B.I.L.	
IBM 370/158	ALIS DECO	ALIS DOBIS		
IBM 370/168	RESPONSA SPLEEN3 THETIS (*)		REPERTOIRE (*) SPLEEN3 THETIS (*)	
IBM 38	BLIS	BLIS	BLIS	
IBM 4321 IBM 4331	DOBIS/LIBIS DOBIS/LIBIS TRIS	DOBIS/LIBIS DOBIS/LIBIS		MUTE2
IBM 4341	DOBIS/LIBIS RECON IV REPINDEX	DOBIS/LIBIS REPINDEX S.I.B.I.L. WLN	RECON IV REPINDEX S.I.B.I.L WLN	

TABLE 5 - MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER (MAINFRAMES)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
IBM 43XX	ASPENSEARCH V (*) BLIS BRS/SEARCH A DOBIS/LIBIS DTAF DYL-280 (*) INQUIRE MIPS NOTIS RAMIS II (*) SEED QWIK-DRAFT III (*)	BLIS BRS/SEARCH A CALS DOBIS/LIBIS INQUIRE LIBRIS NOTIS	ATMS-III AUTO-INDEX (*) BLIS BRS/SEARCH A INQUIRE MIPS RAMIS II (*) SEED	
IBM 8130	LCS (*)	LCS (*)		
International Computing Ltd.				
ICL			SIR/DBMS	MUTE2
ICL 1900	SINFO 1300			
ICL 2976	PARCH	PARCH	PARCH	
ICL 2980	PARCH	PARCH	PARCH	
Mera-Elwro				
ODRA 1300	SINFO 1300			
ODRA 1304	SINFO 1300			
ODRA 1305	SINFO 1300			
ODRA 1325	SINFO 1300			
RIAD R-30	R-CDS/ISIS (*)		R-CDS/ISIS (*)	R-CDS/ISIS (*)
RIAD R-32	R-CDS/ISIS (*) REVISD		R-CDS/ISIS (*) REVISD	R-CDS/ISIS (*)
RIAD R-40	R-CDS/ISIS (*)		R-CDS/ISIS (*)	R-CDS/ISIS (*)
RIAD R-45	R-CDS/ISIS (*)		R-CDS/ISIS (*)	R-CDS/ISIS (*)
RIAD R-50	R-CDS/ISIS (*)		R-CDS/ISIS (*)	R-CDS/ISIS (*)
RIAD R-60	R-CDS/ISIS (*)		R-CDS/ISIS (*)	R-CDS/ISIS (*)
Siemens				
SIEMENS-ALL MODELS			SIR/DBMS	
7500	GOLEM			
7531	BVS	BVS	BVS	
7700	GOLEM			
SIEMENS 7XXX	GRIPS	GRIPS	GRIPS	

TABLE 5 - MAIN FUNCTION OF SYSTEM BY TYPE OF COMPUTER (MAINFRAMES)

MANUFACTURER AND MODEL	INFORMATION RETRIEVAL	LIBRARY MANAGEMENT	DATA BASE MANAGEMENT	SIMULATION
Sperry Univac				
UNIVAC-ALL MODELS			SIR/DBMS	
UNIVAC 1100	OMNISYS (*) POLYDOC (*) STATUS	STATUS	OMNISYS (*) STATUS SIR/DBMS	
UNIVAC 1100/10	UNIDAS			
UNIVAC 1100/20	COMPAIS IIA	COMPAIS IIA	COMPAIS IIA	
UNIVAC 1100/40	UNIDAS			
UNIVAC 1100/60	COMPAIS IIA UNIDAS	COMPAIS IIA	COMPAIS IIA	
UNIVAC 1100/80	UNIDAS			
UNIVAC 1100/90	UNIDAS			
UNIVAC 90-ALL MODELS			SIR/DBMS	
UNIVAC 90/30	COMPAIS IIA	COMPAIS IIA	COMPAIS IIA	
VEB Robotron				
EC 1020	IRS AIDOS DOS/ES		IRS AIDOS DOS/ES	IRS AIDOS DOS/ES
EC 1033	IRS AIDOS DOS/ES		IRS AIDOS DOS/ES	IRS AIDOS DOS/ES
EC 1035	IRS AIDOS DOS/ES		IRS AIDOS DOS/ES	IRS AIDOS DOS/ES
EC 1040	IRS AIDOS DOS/ES		IRS AIDOS DOS/ES	IRS AIDOS DOS/ES
EC 1055	IRS AIDOS DOS/ES		IRS AIDOS DOS/ES	IRS AIDOS DOS/ES

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I. GENERAL FEATURES

SYSTEM NAME: A-C-C-E-S-S - Automated Computer Communications Electronic Service System

Acronym: A-C-C-E-S-S (tm)

release date: July 80

BACKGROUND and PRIMARY OBJECTIVES:
A-C-C-E-S-S (tm) is a microcomputer network/communications and information system especially designed for small and medium-sized applications. By implementing several built-in options, the system may be used as a network/communications system or for videotex applications. This special software was written especially for the Apple II+ microcomputer and provides a fully-automated microcomputer network system. The program is completely menu-driven so that no knowledge of software programming is needed. A-C-C-E-S-S (tm) enables low-cost networking/communications or videotex over ordinary telephone lines at both 300 and 1200 baud (Bell 103/202/212A) including both domestic U.S. and CCITT versions.

GENERAL DESCRIPTION, MAIN FEATURES:
In networking/communications applications, the system automatically sends and retrieves electronic mail, interlibrary loans, orders, forms, etc. to other A-C-C-E-S-S-(tm) systems, and may also be accessed by any 300 or 1200 baud terminal (ASCII) over ordinary telephone lines. In videotex applications, the system may be accessed by any 300 or 1200 baud terminal over ordinary telephone lines, enabling information to be gathered quickly and efficiently, as well as to provide online ordering, and Letters to the Editor. Editorial text may be prepared in advance and uploaded to an A-C-C-E-S-S (tm) system and editorial staff may be remotely located at other geographic locations. The videotex application of this system is called *VIDACCESS* which is a read-only system for users (i.e. cannot enter messages).

PRODUCER:
Name: Desert Technology c/o Information Intelligence Inc.
Address: P.O.B. 31098, Phoenix, AZ 85046, U.S.A.
Telephone: 602-996-2283

VENDOR:
Name: Information Intelligence Inc.
Address: P.O.B. 31098, Phoenix, AZ 85046, U.S.A.
Telephone: 602-996-2283

For additional information contact:
Name: Richard S. Huleatt
Title: President
Firm/Institution: Information Intelligence Inc.
Address: P.O.B. 31098, Phoenix, AZ 85046, U.S.A.
Telephone: 602-996-2283

II. HARDWARE REQUIREMENTS

The software package is implementable on a micro computer.
Configuration: Apple Computer Inc., Model II+.

Memory size: 48K
Disk drives: (2) 5 1/4 - inch 110K 2 units
Terminals: N/A (may be accessed by any ASCII terminal)
Printers: Any serial if parallel (optional)

Other peripheral equipment: upper/lower case adapter or Videx 80-column card; Clock card - Mountain Hardware std or CPS, ThunderClock, or California Computer System (CCS); Modems - DC Hayes Micromodem II (300 baud/bell 103) full duplex, Novation Apple CAT II (300 baud/bell 103 full duplex) and (1200 baud/bell 202 half duplex) in both U.S. domestic and CCITT models, OMNILINK (tm) 300/1200 baud full duplex (bell 103/212A). Printer optional (serial or parallel). Videx 80-column card optional.

III. SOFTWARE - OPERATING SYSTEM

Name: A-C-C-E-S-S (tm)
Record Management System (RMS): Index sequential, Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: varies
Maximum number of records: varies
Maximum number of fields/record: varies

The system's command language is: English, Any desired (extra cost option - special order)

Online operations; Number of terminals: Basic system supports one user/terminal at a time. Multi-user systems available (extra cost option - special order).

Type of system capability: multiple file, single file search, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Insert text from external files, Copy text, Transfer/retrieve text/forms.

Features of query language: Numerical search, Search-term truncation, Field-based search, Nesting of instructions.

Search functions: Show results on screen, Print results.

Print generator: Editing a format, Built-in text editor.

Acquisition functions:, Online ordering; forms.

Documentation: Systems manual, Utilities manual, Operations manual, User guide.

Special applications: Electronic Bulletin Board (BBS); Electronic Mail; Networking/Communications; Online Ordering; Interlibrary Loan; Videotex; Videaccess.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000
Price range of hardware: $5,001 - $10,000

Special terms for developing countries: None

Number of installations: 50
*Locations: Information Intelligence Inc, Phoenix, AZ; Bogart-Brociner Associates, Annapolis, MD; Micro-Term Systems, Wyckoff, NJ; Electronic Concepts Party Ltd, Sydney, Australia.

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I. GENERAL FEATURES

SYSTEM NAME: Australian Card Service

Acronym: ACS

BACKGROUND and PRIMARY OBJECTIVES:
Written by NLA staff in 1975-77. Produces catalogue cards from MARC records on the Australian Marc Record Service data base.

GENERAL DESCRIPTION, MAIN FEATURES:
Australian Cards subscribers receive one card for each Ausmarc Record added to the AMRS (Australian MARC Record Service) data base. They submit no requests, they merely register. On-Demand customers submit requests for cards using the ISBN, LC or BNB number. A tape is compiled requesting MARC records from AMRS. The MARC records are processed and the required cards are printed with a delivery note for each customer.

PRODUCER:
Name: National Library of Australia
Address: Parkes Place, Canberra, ACT 2600, AUSTRALIA
Telephone: 621111
Telex: 62100

For additional information contact:
Name: Kerry Webb
Title: Asst. Director, ADP
Firm/Institution: National Library of Australia
Address: Parkes Place, Canberra, ACT 2600, AUSTRALIA
Telephone: 621538
Telex: 62100

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: FUJITSU M180IIAD and IBM 370/148.

The software package is implementable on a mainframe computer.
Configuration: Fujitsu-Co, M180IIAD.

Memory size: 1MB
Disk drives: 317.5MB 1 unit
Tape drives: 1
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: OSIV/F4
Others: VSAM
Utilities: Sort.

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IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed & variable
Maximum record length: 3520

The system's command language is: Not applicable, no other languages available.

Batch operations.
Type of system capability: single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Search functions: Print results.

Print generator: Statistics.

Catalog functions: Print catalogs, Multiple copies.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide.

User can add application programs.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: No charge
Conditions (for source code): Non-profit organizations.
Price range of hardware: More than $100,000

Special terms for developing countries: None

Number of installations: 1
*Locations: National Library of Australia.

****

I. GENERAL FEATURES

SYSTEM NAME: ACT Network Processor

Acronym: ACT (*)

release date: 80

BACKGROUND and PRIMARY OBJECTIVES:
Primary objective is to provide a vendor independent Network Processor for message switching, nodal networks and front end capabilities for mixed systems.

GENERAL DESCRIPTION, MAIN FEATURES:
System use a standard Honeywell OS to solve large, complex or unusual communications problems. Applications and word processing can be run concurrently. Features include message routing, queuing, dynamic network alteration, simultaneous multiple host, terminal support, downline load of intelligent terminals, remote console operation, statistics gathering/reporting, operator audit trail.

PRODUCER:
Name: Advanced Computer Techniques
Address: 16 East 32nd Street, New York, NY 10016, U.S.A.
Telephone: 212-421-4688
Telex: 5200091 ADCO

For additional information contact:
Name: George Finckenor
Title: Sales MGR
Firm/Institution: Advanced Computer Techniques
Address: 16 East 32nd Street, New York, NY 10016, U.S.A.
Telephone: 212-421-4688
Telex: 5200091 ADCO

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Honeywell Information Systems, DPS 6, LEVEL 6.

Memory size: 128K
Disk drives: 10MB 1 unit
Terminals: 1

Other peripheral equipment: Disc storage as required.

III. SOFTWARE - OPERATING SYSTEM

Name: GCOS 6-400
Utilities: All standard.
The system's command language is: English, or any other language

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Batch operations.
Online operations; Number of terminals: unlimited.

Type of system capability: networks and communication.

Print generator: Forms, Editing a format, Word processing.

Documentation: Operations manual, User guide.

Special applications: Electronic mail, word processing, message switching, nodal networks, front ends.

User can add application programs.
Warranty: 3 months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: More than $100,000 *Object Code: No charge
Price range of hardware: $50,001 - $100,000

Number of installations: 6
*Locations: Proprietary users within US Fortune 100.

****

I. GENERAL FEATURES

SYSTEM NAME: Adaptive Library Management System

Acronym: ADLIB

Version: 2.4 Release date: May 82

BACKGROUND and PRIMARY OBJECTIVES:
First implementation was completed 1978 to meet a single user's requirements. Second implementation removed restrictions and integrated all library management functions within a single data base. The re-issued system has been installed in a range of different environments from early 1981. The objectives were originally to meet special library needs but have been extended to satisfy large academic and lending requirements. An overriding objective is to provide flexibility combined with ease of use.

GENERAL DESCRIPTION, MAIN FEATURES:
The system is built around a data base which is defined using data dictionary methods. The data base can contain multiple logical files which can be extended after the system is live. The query language is interactive and provides output displays in page mode at a VDU or any selected print format or tabulation. The functional modules are indicated below, but the utilities provided with the system enable additional modules to be set up quickly and often without any need for technical personnel to be involved.

PRODUCER:
Name: LMR Computer Services, Lipman Management Resources Limited
Address: 54-70 Moorbridge Road, Maidenhead, Berkshire SL6 8BN, UNITED KINGDOM
Telephone: Maidenhead 37123
Telex: 847112 LMR G

For additional information contact:
Name: Mrs. Janet Fowler
Title: Marketing Administrator
Firm/Institution: LMR Computer Services, Lipman Management Resources Limited
Address: 54-70 Moorbridge Road, Maidenhead, Berkshire SL6 8BN, UNITED KINGDOM
Telephone: Maidenhead 37123
Telex: 847112 LMR G

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Prime Computer, PRIME, All models.

Memory size: 512K - 8MB
Disk drives: 32MB 1 Unit - 2400MB 4 Units per controller
Tape drives: Max. 4
Terminals: 1 - 128
Printers: 1 - 128

Other peripheral equipment: Bar Code Readers, Branch Satellite Systems.

III. SOFTWARE - OPERATING SYSTEM

Name: PRIMOS
Record Management System (RMS): Index sequential, Relative direct access
Others: ADMIN
Utilities: Sort, File Conversion Utility to import data from existing or external systems.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 32K
Maximum number of records: 100,000,000
Maximum number of fields/record: Limited only by record size

The system's command language is: English, French, Dutch or any other language by use of the task utility program which permits each task and the corresponding dialog texts to be held in a file selected by user identity

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 128 on single processor system, multiple systems may be linked using PRIMENET.

Type of system capability: multiple file, simultaneous file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Full text inversion.

Search functions: Display dictionary, Show results on screen, Print results, Refine results of previous selection, 'Pick' task.

Print generator: Sort, Decode, KWIC-KWOC, Statistics, Indexing, Forms, Editing a format, Word processing, Twin track (merging of 2 typefaces) and multi-column.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies, Budget control.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in English; Systems manual, Utilities manual, Operations manual, User guide.

Special applications: Museums and collections of non-book material.

User can add application programs.
System is available without geographic limitations.
Warranty: Combined with maintenance.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $50,001 - $100,000 *Object Code: $10,001 - $50,000
Price range of hardware: More than $100,000

*Locations: Greater London Council, Science Museum, London, Universite libre de Bruxelles, National Bank of Belgium, etc.

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I. GENERAL FEATURES

SYSTEM NAME: Adaptive Information Management System

Acronym: ADMIN

Version: 2.3 Release date: Feb. 82

BACKGROUND and PRIMARY OBJECTIVES:
ADMIN has been under development since 1976. Bureau usage started in 1978, and sale as a Program Product began in 1979. The system is in use in central government, industry and commerce meeting a wide range of information requirements. ADMIN was developd as a 'literate' system as well as a 'numerate' one. A mixture of textual and numeric information is held in a completely variable length format. This freedom of form has made ADMIN usable as the manager for LMR's library system ADLIB and a host of varied applications. Since the system was designed for anyone with an information need, it had to have a really easy user interface, provide a range of input and retrieval methods, and be able to look like a bespoke system to each of its users. It is straightforward for a non-technical person to use the modules provided to develop complex multi-file systems: ADMINUT - Definition of data dictionary and index structures. ADIN - Screen format creation and format library management. ADOUT - Print format creation and format library management. ADEPT - Word Processing with data merge. ADAPL - Adaptive procedural language.

GENERAL DESCRIPTION, MAIN FEATURES:
ADMIN provides a multiple dataset, multiple index, relational variable length field and record database management capability. Apart from supporting ADLIB, ADMIN is used for implementation of a range of specialized application systems. Currently these include the ADPM personnel management system and the ADMEM membership system. Other applications include portfolio management, sales administration, fixed assets, price books, motor car warranty records

PRODUCER:
Name: LMR Computer Services, Lipman Management Resources Limited
Address: 54-70 Moorbridge Road, Maidenhead, Berkshire SL6 8BN, UNITED KINGDOM
Telephone: Maidenhead 37123
Telex: 847112 LMR G

For additional information contact:
Name: Mrs. Janet Fowler
Title: Marketing Administrator
Firm/Institution: LMR Computer Services, Lipman Management resources
Address: 54-57 Moorbridge road, Maidenhead, Berkshire SL6 8BN, UNITED KINGDOM
Telephone: Maidenhead 37123
Telex: 847112 LMR G

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Prime Computer, PRIME, All models.

Memory size: 512K - 8M
Disk drives: 32MB 1 Unit - 2400MB 4 Units per controller
Tape drives: Max. 4
Terminals: Max. 128
Printers: Max. 128

Other peripheral equipment: Various.

III. SOFTWARE - OPERATING SYSTEM

Name: PRIMOS
Record Management System (RMS): Index sequential, Relative direct access
Others: Uses MIDAS routines
Utilities: Sort, File conversion program.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 32K
Maximum number of records: 100,000,000
Maximum number of fields/record: Limited only by record size

The system's command language is: English, a utility is available to maintain the task table and all texts in other languages

Batch operations.
Online operations; Number of terminals: 128 per computer in network.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search.

Search functions: Display dictionary, Show results on screen, Print results, Pick items from superset.

Print generator: Sort, Decode, Statistics, Indexing, Forms, Editing a format, Word processing.

****

Documentation: Systems manual, Utilities manual, Operations manual, User guide, Training manual.

Special applications: Personnel management, membership systems, sales administration, and others under development.

User can add application programs.
System is available without geographic limitations.
Warranty: Combined with maintenance.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $10,001 - $50,000 *Object Code: $10,001 - $50,000
Price range of hardware: $50,001 - $100,000

*Locations: Marks & Spencer, Library Association, Clerical Medical & General Insurance, Peat Marwick Mitchell, Delta Metal, Brook Street Bureau, Department of the Environment, Caravan Club etc.

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I. GENERAL FEATURES

SYSTEM NAME: Automated Library Expandable Program Hebrew University

Acronym: ALEPH

Version: 4.1 Release date: Apr. 82

BACKGROUND and PRIMARY OBJECTIVES:
ALEPH was developed as a library management system for the libraries of the Hebrew University of Jerusalem. The University has a central library (Jewish National and University Library) which houses a research collection, provides technical services and maintains a university-wide union catalog, and various department libraries. ALEPH was first implemented in the largest of these, the Mt. Scoups Library for the Humanities and Social Sciences. The University decided to develop an in-house system because no available systems had Hebrew capabilities (separate character set written from right to left). The primary objective of ALEPH is online real time library management with all activities centered on the catalog data base. ALEPH was planned from the outset as a user-oriented system with online catalog search. The objective was to provide ease of search for the reader together with sophisticated informtion retrieval capabilities.

GENERAL DESCRIPTION, MAIN FEATURES:
ALEPH is able to simultaneously hold a union catalog (with one data base) with individual libraries as a sub-set of the union catalog, and separate data bases for separate libraries, with the capability of searching and copying from one data base to another. ALEPH provides cataloging, authority file maintenance, circulation, acquisition follow-up and catalog search.

PRODUCER:
Name: Hebrew University of Jerusalem, Data Processing Dept.
Address: Givat Ram, Jerusalem, ISRAEL
Telephone: 02-584266

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: CYBER 6000, CYBER 70, CYBER 170/700, CYBER 170/800. Sample configuration for 80 terminals: CYBER 170/815 with 256K memory, disc 885, tape 797, communications computer 2550. The system will also be available for PDP, VAX 11/730 to 11/780 in 1984.

The software package is implementable on a mainframe computer.

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Configuration: Control Data Corp., CDC 6000, CYBER 70, CYBER 170/700, CYBER 170/800.

Memory size: 131KW
Disk drives: 1 unit
Tape drives: 1
Terminals: As required

Other peripheral equipment: Bar code reader (optional); Printer.

III. SOFTWARE - OPERATING SYSTEM
Name: NOS/BE or NOS
Record Management System (RMS): DBMS
Name of DBMS: ADAM

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum number of records: Unlimited

The system's command language is: English and Hebrew

Batch operations.
Online operations; Number of terminals: Unlimited.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Show results on screen, Print results.

Print generator: Sort, Decode, Statistics.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Reserving an item, Multiple copies.

Documentation: Available in English, Hebrew; Systems manual, User guide.

System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $50,001 - $100,000
Price range of hardware: More than $100,000

Number of installations: 3
*Locations: Yskor, Pretoria, South Africa; Sha'ar Zion Library, Tel Aviv, Israel; Hebrew University of Jerusalem, Israel.

****

I. GENERAL FEATURES

SYSTEM NAME: Automated Library Information System

Acronym: ALIS

Version: N/A Release date: 79

BACKGROUND and PRIMARY OBJECTIVES:
The National Technological Library of Denmark (DTB) has since 1968 built up a collection of bibliographic data (a data base) with localization references for all books, dissertations, serials, reports, etc. with printing year 1968 or later, which have been procured and EDP-recorded in DTB. On the data base are also registered titles and holdings information for all of DTB's periodicals (approx. 12,000). Since 1975, all conference reports procured not only by DTB, but all the other technological central libraries in the North (Gothenburg, Helsinki, Stockholm and Trondheim) have been registered in the data base (appr. 15,000 titles). Finally, as part of DTB's cooperation with the libraries of the Danish technological schools, the collections of Sonderborg and Arhus Technological libraries have been registered (12,000 titles).

GENERAL DESCRIPTION, MAIN FEATURES:
DTB has in cooperation with I/S Datacentralen af 1959 (DC) and with financial support from the State Technological Scientific Research Council, the Technology Council and Norddok (now: Nordinfo) established an information processing system called ALIS. The catalogue search mechanism of ALIS enables the user via VDU's (Visual Display Units) or typewriter terminals to search for literature in DTB's data base by authors, titles, keywords in titles, subjects, UDC-numbers, ISBN, ISSN, CODEN, language codes, year of publication or combinations of these fields. Coincident with the presentation of the bibliographic data, information is given as to which libraries are registered as owners of the retrieved publication.

PRODUCER:
Name: The National Technical Library of Denmark
Address: Anker Engelunds Vej 1, Lyngby, DENMARK
Telephone: +45-2-88-30-88
Telex: 3 71 48 dtbc dk
Cable: DANTEKBIBLIO

For additional information contact:
Name: Bent Barnholdt
Title: Head of data processing department
Firm/Institution: The National Technological Library of Denmark
Address: Anker Engelunds Vej 1, Lyngby, DENMARK
Telephone: +45-2-88-30-88
Telex: 3 71 48 dtbc dk
Cable: DANTEKBIBLIO

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370/158.

Disk drives: 50MB 2 Units
Tape drives: 1
Terminals: 7
Printers: 3

III. SOFTWARE - OPERATING SYSTEM

Name: OS
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

I[illegible] SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: 3608
Maximum number of records: N/A
Maximum number of fields/record: N/A

The system's command language is: Danish & English

Batch operations.
Online operations; Number of terminals: 14.

Type of system capability: simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Statistics, Editing a format.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items,

Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in Danish & English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

Special applications: On-line document ordering.

System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Special terms for developing countries: N/A

Number of installations: None other than DTB
*Locations: The catalogue search part of ALIS is accessible to all SCANNET and EURONET users.

****

I. GENERAL FEATURES

SYSTEM NAME: Bookline-Amber

Acronym: AMBER

Version: 1 Release date: Aug. 82

BACKGROUND and PRIMARY OBJECTIVES:
To provide libraries with in-house facilities for monograph acquisitions and to allow access to Blackwell's computerised bookfile of 820,000 UK and foreign titles for the purposes of bibliographic searching and ordering.

GENERAL DESCRIPTION, MAIN FEATURES:
Bookline/Amber is designed to assist libraries with the day to day management of monographic acquisitions, including computer assisted bibliographic searching and batch and/or online transmission of book orders and encompassing fund accounting and message switching facilities

PRODUCER:
Name: Blackwell Technical Services, Ltd
Address: Beaver House, Hythe Bridge St, Oxford, Oxon OX1 2ET, UNITED KINGDOM
Telephone: 0865-44944
Telex: 83118
Cable: BOOKS OXFORD TELEX

For additional information contact:
Name: Dr. P.L. Holmes
Title: Managing Director
Firm/Institution: Blackwell Technical Services, Ltd
Address: Beaver House, Hythe Bridge St, Oxford, Oxon OX1 2ET, UNITED KINGDOM
Telephone: 0865-44944
Telex: 83118

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, VAX, All models.

Disk drives: 10MB 1 Unit Winchester - 80MB 1 Unit Multiple Winchester
Tape drives: 64KB streaming cartridge - 2MB streaming cartridge
Terminals: 1 up to 4 - multiple
Printers: 1 - multiple

III. SOFTWARE - OPERATING SYSTEM

Name: MUMPS
Record Management System (RMS): DBMS
Name of DBMS: MUMPS
Utilities: Sort.

****

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: application dependent (nx255)
Maximum number of records: no software limit

The system's command language is: English, no other languages available at present

Batch operations.
Online operations; Number of terminals: Dependent on machine size - 4 on smallest system.

Type of system capability: multiple file, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files.

Features of query language: Numerical search, Search-term truncation, Adjacency of search terms.

Search functions: Display dictionary, Show results on screen, Print results.

Print generator: Sort, Decode, Statistics.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies, Budget control.

Circulation functions: Borrower master file.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

System is available without geographic restrictions, subject to support of customers abroad.

Warranty: 12 Months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: Up to $5,000
Conditions, (for object code): Software leased, from BTS.
Price range of hardware: $10,001 - $50,000

Special terms for developing countries: N/A

Number of installations: 3
*Locations: Confidential.

****

I. GENERAL FEATURES

SYSTEM NAME: Australian Marc Record Service

Acronym: AMRS

release date: 77

BACKGROUND and PRIMARY OBJECTIVES:
Developed by NLA staff in 1977, to provide and maintain a data base of MARC records, from which subscribers could select and receive machine readable bibliographic records.

GENERAL DESCRIPTION, MAIN FEATURES:
The main purpose of this system is to produce MARC record distribution. Provides machine readable bibliographic records in Australia. MARC format from a data base currently comprising LC, UK, & Australia MARC records.

PRODUCER:
Name: National Library of Australia
Address: Parkes Place, Canberra, ACT 2600, AUSTRALIA
Telephone: 621111
Telex: 62100

For additional information contact:
Name: Kerry Webb
Title: Asst. Director, ADP
Firm/Institution: National Library of Australia
Address: Parkes Place, Canberra, ACT 2600, AUSTRALIA
Telephone: 621538
Telex: 62100

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 370/148 and FUJITSU M180IIAD.

The software package is implementable on a mainframe computer. Configuration: IBM, IBM 370/148.

Memory size: 1MB
Disk drives: 317.5MB 1 unit
Tape drives: 3
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: OS/VS1
Record Management System (RMS): Relative direct access
Utilities: Sort.

****

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 4096

The system's command language is: Not applicable

Batch operations.
Type of system capability: single file search.

Documentation: Available in English; Utilities manual, Reference manual, Operations manual, User guide.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: No charge
Conditions (for source code): Non-profit organizations.
Price range of hardware: More than $100,000

Special terms for developing countries: None

Number of installations: 1
*Locations: National Library of Australia.

****

I. GENERAL FEATURES

SYSTEM NAME: Australian National Bibliography (Front End)

Acronym: ANB (FE)

release date: 81

BACKGROUND and PRIMARY OBJECTIVES:
Adapted from a system obtained from the British Library in 1972, this system was amended in 1981 to cater for AACR2.

GENERAL DESCRIPTION, MAIN FEATURES:
The system creates MARC records. User data is read and validated, (checking for mandatory tags and subfields within tags, etc. - this is largely table driven), a SIN (Subject Index) packet is inserted and a MARC record is produced. This first run produces a weekly master file on tape. A second run applies corrections to the weekly master and updates the cumulative master file (holds records for 1 year).

PRODUCER:
Name: National Library of Australia
Address: Parkes Place, Canberra, ACT 2600, AUSTRALIA
Telephone: 621111
Telex: 62100

For additional information contact:
Name: Kerry Webb
Title: Asst. Director, ADP
Firm/Institution: National Library of Australia
Address: Parkes Place, Canberra, ACT 2600, AUSTRALIA
Telephone: 621538
Telex: 62100

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 370/148 and FUJITSU M180IIAD.

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370/148.

Memory size: 1MB
Disk drives: 317.5MB 1 unit
Tape drives: 2
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: OS/VS1
Others: VSAM
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 3000 bytes

The system's command language is: Not applicable

Thesaurus maintenance.
Batch operations.
Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Insert text from external files.

Documentation: Available in English; Systems manual, Utilities manual.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: No charge
Conditions (for source code): Non-profit organizations.
Price range of hardware: More than $100,000

Special terms for developing countries: None

Number of installations: 1
*Locations: National Library of Australia.

****

I. GENERAL FEATURES
SYSTEM NAME: Australian National University Library Automated Systems

Acronym: ANULAS

BACKGROUND and PRIMARY OBJECTIVES:
System under development to control the operations of the Australian National University Library. Acquisitions and cataloguing are operational. Circulation is under development. Currently the systems are being converted to a data base management system. The system may be replaced in 1984.

PRODUCER:
Name: National Library of Australia
Address: P.O.B. 4, Canberra, ACT 2600, AUSTRALIA

II. HARDWARE REQUIREMENTS
The software package is implementable on a mini computer.
Configuration: Perkin Elmer Inc., PE 8/32C.

Memory size: 3/4M
Disk drives: 67MB 2 units - 300MB 2 unit
Tape drives: 2

III. SOFTWARE - OPERATING SYSTEM
Name: OS32
Record Management System (RMS): DBMS
Name of DBMS: DMS32

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: fixed

The system's command language is: English

Batch operations.
Type of system capability: multiple file.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Insert text from external files, Move text, Copy text.

Acquisition functions: Budget control, Order printing, Microfiche listings.

Catalog functions: Create, Remove, Correct, Add.

Circulation functions: System not operational.

****

There is warranty.

System update and/or maintenance is available.

VI. COST, INSTALLATION

*Locations: In-house.

I. GENERAL FEATURES

SYSTEM NAME: Agricultural Research Management Information System

Acronym: ARMIS

Version: 2 Release date: Sep. 82

BACKGROUND and PRIMARY OBJECTIVES:
To provide the management of this research institute with an online interactive system providing general management information on the projects which comprise the research program of the institute. First developed on a UNIVAC 1108, now operates on a VAX 11/750.

GENERAL DESCRIPTION, MAIN FEATURES:
Inputs project titles, descriptions, accounting, personnel and administrative information. Provides analyses and reports for managers.

PRODUCER:
Name: An Foras Taluntais
Address: 19 Sandymount Avenue, Dublin 4, IRELAND
Telephone: 01-688188
Telex: 30459
Cable: AGRES

For additional information contact:
Name: O'Rourke, C.
Firm/Institution: An Foras Taluntais
Address: 19 Sandymount Avenue, Dublin 4, IRELAND
Telephone: 01-688188
Telex: 30459
Cable: AGRES

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., VAX 11/750.

Memory size: 1MB
Disk drives: 67MB 4 Units
Tape drives: 1
Terminals: 14
Printers: 2

Other peripheral equipment: Floppy disk drives 2, Cartridge drive 1.

III. SOFTWARE - OPERATING SYSTEM

Name: VMS
Record Management System (RMS): Relative direct access

****

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: fixed

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: 14.

Type of system capability: multiple file.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Field-based search.

Search functions: Show results on screen, Print results.

Print generator: Sort, Statistics, Indexing, Forms, Editing a format.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Number of installations: 1
*Locations: In-house.

****

I. GENERAL FEATURES

SYSTEM NAME: ASPENSEARCH V

Acronym: ASPENSEARCH V (*)

release date: Dec. 76

BACKGROUND and PRIMARY OBJECTIVES:
ASPENSEARCH V is the latest generation of Aspen's pioneering document retrieval systems. ASPENSEARCH systems have evolved over twenty years and tens of thousands of user searches. ASPENSEARCH is designed to solve the problem of maintaining and retrieving from large document collections. Research reports, corporate memoranda, publications, transcripts of hearings before regulatory bodies, manuscripts, position papers and abstract material from periodocals are only a few of the kinds of files which ASPENSEARCH can handle. Further, since ASPENSEARCH can support many data bases one installation can service the information needs of a variety of user communities.

GENERAL DESCRIPTION, MAIN FEATURES:
ASPENSEARCH V is an online interactive system that is highly efficient, flexible and economical. Any word or combination of words may be searched. Relationships among terms and statements are defined according to simple Boolean logic. Sophisticated criteria can be set to specify the context or positional relationships of words or phrases to be retrieved. Searching also can be controlled by the values contained in field data associated with each document. Query results can be presented in a broad range of formats. File structure of the searchable data base is organized under space and access efficient storage methods so that update processing is direct and timely. Update processing is so efficient that secondary or concatenated files are not necessary.

PRODUCER:
Name: Aspen Systems Corporation
Address: 1600 Research Boulevard, Rockville, MD 20850, U.S.A.
Telephone: 301-251-5000

For additional information contact:
Name: M. J. Goldenberg
Title: Vice President
Firm/Institution: Aspen Systems Corporation
Address: 330 Madison Avenue, New York, NY 10017, U.S.A.
Telephone: 212-883-0123

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 360, IBM 370, IBM 303X, IBM 4300.

Memory size: 72K (Virtual) - 486K (Virtual)

Other peripheral equipment: Terminals as needed by remote users.

III. SOFTWARE - OPERATING SYSTEM

Name: OS/MVS/VS
Others: Aspen Systems Access Methods (ASAM)

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: none
Maximum number of records: None
Maximum number of fields/record: 165 types, no limit per type

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: 25 - 200 depending on mainframe and network capacity.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search, Nesting of instructions, Context, sentence, paragraph searching.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, KWIC-KWOC.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

System is available in North America.

Warranty: 12 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Special terms for developing countries: N/A

Number of installations: 8
*Locations: Confidential.

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I. GENERAL FEATURES

SYSTEM NAME: Advanced Text Management System-III

Acronym: ATMS-III

Version: 1.1

GENERAL DESCRIPTION, MAIN FEATURES:
ATMS-III is a powerful online text entry/edit tool. It provides an interface to Document Composition Facility (DCF) for SCRIPT/VS formatting capabilities, or provides its own formatter feature. An interface is also provided to Document Library Facility (DLF) for external storage, tracking, and easy access to infrequently used documents.

PRODUCER:
Name: IBM, International Business Machines Corporation

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370, IBM 4300.

III. SOFTWARE - OPERATING SYSTEM

Name: OS or DOS
Record Management System (RMS): Relative direct access
Others: VSAM or BDAM
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: n/A
Maximum number of records: N/A
Maximum number of fields/record: N/A

The system's command language is: English, no other languages available.

Batch operations.
Online operations.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Full-text search.

Search functions: Show results on screen, Print results.

Print generator: Word processing, ATMS-III formatter or DCF as full text formatters.

Acquisition functions: Document creation, Displaying the document, Multiple copies.

Documentation: Available in English; Systems manual, Reference manual, Operations manual, User guide, Training manual, General Information Manual, Program Reference Manual, Quick Reference Card, Operations Quick Reference.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code:
Conditions (for source code): Monthly DOS - $417, OS $819.
Price range of hardware: More than $100,000

*Locations: World Wide.

I. GENERAL FEATURES

SYSTEM NAME: AUTO-INDEX

Acronym: AUTO-INDEX (*)

release date: Aug. 78

BACKGROUND and PRIMARY OBJECTIVES:
AUTO-INDEX is the latest version of Aspen's text processing system for the production of word and phrase indexes or bibliographic directories from a data base. Anyone with dynamic and growing document collections is faced with the problem of organizing the information in a form best suited for efficient access. Among the access methods are word and phrase index reports and bibliographic directories. AUTO-INDEX is a cost-effective means of producing such information products.

GENERAL DESCRIPTION, MAIN FEATURES:
Aspen's AUTO-INDEX generates any desired word or phrase index and bibliographic directories directly from documents in a data base. Indexed items are printed within their context to establish their specific meaning and significance. Terms may be highlighted in Keyword-In-Context (KWIC) format, or outside the context but easily associated with it. Presentation of data enables users to refer to complete original documents when necessary. Directories can be formatted with extensive references and cross-references to document bibliographic data. Because of its generalized nature, AUTO-INDEX can process a wide range of machine-readable data structures into a broad variety of indexes and formats.

PRODUCER:
Name: Aspen Systems Corporation
Address: 1600 Research Boulevard, Rockville, MD 20850, U.S.A.
Telephone: 301-251-5000

For additional information contact:
Name: M. J. Goldenberg
Title: Vice President
Firm/Institution: Aspen Systems Corporation
Address: 330 Madison Avenue, New York, NY 10017, U.S.A.
Telephone: 212-883-0123

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 360, IBM 370, IBM 303X, IBM 4300.

Memory size: 80K - 364K

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III. SOFTWARE - OPERATING SYSTEM
Name: OS/VS/MVS

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: N/A
Maximum number of records: N/A
Maximum number of fields/record: 32 type, no limit per type

The system's command language is: English, no other languages available.

Batch operations.
Features of query language: Numerical search, Adjacency of search terms, Full-text search.

Search functions: Print results.

Print generator: Sort, KWIC-KWOC, Indexing, Forms, Editing a format.

Catalog functions: Print catalogs.

Documentation: Available in English; Systems manual, Reference manual, User guide.

Special applications: Though specifically designed for large text data bases, AUTO-INDEX can be successfully applied to many other data base formats. Document collections such as abstracts of litigation documents, text stored in word processors, contracts, specifications, manuscripts, laboratory reports, market research studies, interviews, transcripts and memoranda can be efficiently handled by AUTO-INDEX. Such information, when processed by the system, can be arranged to clearly indicate the significance of index items as used in their naturally occurring context or data items cross-referenced to source documents.

System is available in North America.

Warranty: 12 months.

System update and/or maintenance is available.

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V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Special terms for developing countries: N/A

Number of installations: 6
*Locations: Confidential.

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I. GENERAL FEATURES

SYSTEM NAME: OECD Automated Documentation System

Acronym: AUTODOC

Version: 3.3 Release date: Dec. 82

BACKGROUND and PRIMARY OBJECTIVES:
The system was started in 1973 in a batch mode processing environment. In 1976 the conversational version was developed. The main objectives of the system are: General system for documentation purposes; Three major data bases.

GENERAL DESCRIPTION, MAIN FEATURES:
The system is composed of 10 modules. 1) Input (conversational). 2) Retrospective search (conversational). 3) Maintenance (batch) 4) General extraction (batch). 5) General print module (batch). 6) Photocomposition module. 7) Administration and loan interface (conversational). 8) Thesaurus interface (conversational). 9) Thesaurus generator (batch). 10) Dictionary maintenance (conversational).

PRODUCER:
Name: OECD
Address: 2 Rue André Pascal, Paris 75016, FRANCE
Telephone: 524-8306
Telex: 620160

For additional information contact:
Name: Patrice Taupin
Title: Administrateur Principal
Firm/Institution: OECD
Address: 2 Rue André Pascal, Paris 75016, FRANCE
Telephone: 524-8306
Telex: 620160

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: BURROUGHS large systems

The software package is implementable on a mainframe computer.
Configuration: Burroughs Corp., BURROUGHS.

Memory size: 60KW - 100KW
Disk drives: 1 - no limit
Tape drives: 1
Terminals: no limit
Printers: either remote or attached

III. SOFTWARE - OPERATING SYSTEM

Name: MCP Master Control Program
Compilers: Cobol, ALGOL
Record Management System (RMS): Index sequential, Relative direct access
Utilities: ALGOL Internal Sort.

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IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 5000 Bytes
Maximum number of records: 99999, more if needed
Maximum number of fields/record: 60 to 80

The system's command language is: French

Batch operations.
Online operations; Number of terminals: No limit.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Save old text, Full screen edit, Cancel latest revisions, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full-text search.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Indexing, Forms, Editing a format, KWOC.

Catalog functions: Create, Remove, Print catalogs, Correct, Add.

Circulation functions: Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Multiple copies.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Number of installations: 1
*Locations: In-house.

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I. GENERAL FEATURES

SYSTEM NAME: A.W.A. - Universal Real-time Information Control and Administration

Acronym: AWA-URICA

BACKGROUND and PRIMARY OBJECTIVES:
The system has been designed to cover all major functions of academic, public & technical libraries. It has been designed as a set of modules making use of a common data base and common authority files and has resulted in a fully online, real-time and totally integrated library system.

GENERAL DESCRIPTION, MAIN FEATURES:
The AWA-URICA system is an integrated set of computer software modules covering all major functions required by libraries, namely: acquisitions, cataloguing, circulation, conversion, enquiry, serials control.

PRODUCER:
Name: Amalgamated Wireless Australasia Ltd
Address: 132 Arthur St. North Sydney, Sydney, NSW, AUSTRALIA
Telephone: 02-9223300
Telex: 26082

For additional information contact:
Name: Barry J. Sullivan
Title: National Product Manager
Firm/Institution: AWA Data Processing Systems Division
Address: 132 Arthur St. North Sydney, Sydney, NSW, AUSTRALIA
Telephone: 02-9223300
Telex: 26082

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: AWA-Reality 8000 or Sequel and a full-range of AWA-Reality Microdata Computers.

The software package is implementable on a mini computer.
Configuration: Microdata, AWA-Reality 8000.

Memory size: 128K - 2MB
Disk drives: 50MB 75MB 128MB 1 unit - 512MB 4 units - 2 GB 4 units
Tape drives: 1 - 2
Terminals: 1 - 127
Printers: 1 - 1

Other peripheral equipment: Terminal Printers, Telex, Barcode, Readers and Printers, Graphics Printers, OCR.

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III. SOFTWARE - OPERATING SYSTEM

Name: Reality

Record Management System (RMS): DBMS

Name of DBMS: Reality

Utilities: Sort, Spooling, Editor, File back-up, Restore, Job Priority, Runoff, Screen Generator.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric

Record length: variable

Maximum record length: 32,000

Maximum number of records: Unlimited

Maximum number of fields/record: Unlimited

The system's command language is: English - Procs

Batch operations.

Online operations; Number of terminals: 128.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search, Nesting of instructions, Alternative query languages, Keyword on any authority file, Public access enquiry string search, Multiple direct access points.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode, KWIC-KWOC, Statistics, Indexing, Forms, Editing a format, Word processing.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies, Budget control, Online accession, Currency conversion.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies, Conversion to different MARC formats, AACR2-compatible, full level-3 cataloguing.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies, Graphical statistics, Multiple library, Multiple level full integration with other modules, Stand-alone capability.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

Special applications: Word Processing, Graphics - Plotting.

User can add application programs.
System is available in Asia, Oceania.

Warranty: 6 Months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: More than $100,000 *Object Code: $50,001 - $100,000
Price range of hardware: More than $100,000

Number of installations: 6
*Locations: Public libraries (Australia). University (Australia). Technical College (Australia).

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I. GENERAL FEATURES

SYSTEM NAME: Bibliographic Access & Control System

Acronym: BACS

release date: Jan. 81

BACKGROUND and PRIMARY OBJECTIVES:
The Washington University School of Medicine Library's Bibliographic Access & Control System (BACS) was developed to solve problems of bibliographic access and circulation control in a medium-sized medical library. BACS has been in use in this library since December 1980. The system consists of an online card catalog with patron access via keyword or exact searches, circulation control, serials management, MARC format card editing, authority control, and a variety of management tools. All system programming and development was done in standard MUMPS running on a minicomputer at the Washington University Medical Computing Facilities. BACS successfully combines labor-intensive library functions and bibliographic control into one computerized system.

GENERAL DESCRIPTION, MAIN FEATURES:
BACS is a modular, computer based system which provides online public access to monographs and journal holdings, and controls all library circulation functions. There is an acquisitions subsystem which allows ordering and receipt of items, and associated fiscal control. The system runs on a DEC PDP-11/40 with programs written in MUMPS. Barcodes are used as identifiers of books, journals and library patrons. BACS is divided into 2 bibliographic modules, a circulation module, and an acquisitions module.

PRODUCER:
Name: Washington University, Medical School Library
Address: 4580 Scott Ave., St. Louis, MO 63110, U.S.A.
Telephone: 314-454-3711

VENDOR:
Name: Advanced Computer Concepts
Address: 9926 Parkway Dr., St. Louis, MO 63137, U.S.A.
Telephone: 314-868-1898

For additional information contact:
Name: Betsy Kelly
Title: Head, Access Services
Firm/Institution: Washington University, Medical School Library
Address: 4580 Scott Ave, St. Louis, MO 63110, U.S.A.
Telephone: 314-454-3711

II. HARDWARE REQUIREMENTS
The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11/34.

Memory size: 64KW
Disk drives: 1/300
Tape drives: 1
Terminals: 25 - 50
Printers: w/terminals

III. SOFTWARE - OPERATING SYSTEM
Name: MUMPS - DSM/11
Compilers:, MUMPS
Name of DBMS: MUMPS

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 256 char/line
Maximum number of records: N/A
Maximum number of fields/record: N/A

The system's command language is: None

Thesaurus maintenance.
Online operations; Number of terminals: 25-50+.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Alternative query languages.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query.

Print generator: KWIC-KWOC, Statistics, Indexing, Word processing.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies, Budget control.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $10,001 - $50,000
Price range of hardware: $50,001 - $100,000

Number of installations: 1
*Locations: Washington University Medical Library, St. Louis, MO 63110 USA.

I. GENERAL FEATURES

SYSTEM NAME: Battelle A Search Information System

Acronym: BASIS

Version: 4 Release date: Jan. 83

BACKGROUND and PRIMARY OBJECTIVES:
Battelle has been a leader in information science since 1950. In 1965, Battelle began to automate many of its information retrieval functions and in 1968 BASIS began to be developed. First only used internally at Battelle, BASIS was made available to outside sponsors in 1973. The system development was on the following basis: Large textual and numeric oriented applications. Machine independence. Self-contained system. To date, hundreds of applications have been implemented using BASIS.

GENERAL DESCRIPTION, MAIN FEATURES:
BASIS is implemented as a central system surrounded by many satellite modules. CENTRAL SYSTEM: Includes all the system utilities to build and maintain the data base files, the DDL compiler and the on-line query language. SORT: To sort on multiple fields (up to 12 sort keys). FORMS: Batch input processor. OLIVE: On-Line Input Verification and Editing module. PROFILE: To store and re-execute sequences of BASIS commands. REPORT: Report generator. THESAURUS: To control vocabulary. COMPUTATION: To manipulate and analyse numeric information (main statistical function available). Monitor: To provide an audit trail of each BASIS session. SCREEN: For online data entry and editing (full screen inter-face). DDLPRO: User aided data definition language generator.

PRODUCER:
Name: Battelle Columbus Labs
Address: 505 King Avenue, Columbus, OH 43201, U.S.A.

VENDOR:
Name: Battelle Geneva Centers
Address: 7, rte de Drize, Geneva, SWITZERLAND

Name: Battelle - Institut E.V.
Address: Postfach 900160, 6000 Frankfurt-am-Main 50, FEDERAL REPUBLIC OF GERMANY
Telephone: 0611-7908-2784

For additional information contact:
Name: Mr. D. Portal
Firm/Institution: Battelle Geneva Centers
Address: 7, rte de Drize, Geneva, SWITZERLAND

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: VAX 11/780 and IBM 370, IBM 303X, IBM 43XX, UNIVAC 1100 series, CDC 6000, CYBER series, DEC 10, DEC 20, VAX 11/7XX and PRIME.

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., VAX 11/780.

Memory size: 600KB virtual
Disk drives: Depending on the size of data base
Terminals: 1 by-user - 20 users with real storage: 2MB

III. SOFTWARE - OPERATING SYSTEM

Name: VMS
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric, graphic
Maximum record length: no limitation
Maximum number of records: no limitation
Maximum number of fields/record: 2000

The system's command language is: English, French

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: No limitation due to the software.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query.

Print generator: Sort, KWIC-KWOC, Statistics, Indexing.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies.

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Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; Utilities manual, Reference manual, User guide, Training manual, Data definition language manual, Report reference manual and other manuals, Thesaurus guide, BASIS library guide.

User can add application programs.
System is available without geographic limitations.
Warranty: 12 Months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: More than $100,000
Conditions (for source code): Depending on the system (mini-mainframe). Depending on modules bought. Lease & Lease-Purchase options available.
Special terms for developing countries: NO

Number of installations: 120
*Locations: List of sites available upon request.

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I. GENERAL FEATURES

SYSTEM NAME: University Library Modernization

Acronym: BCE020

Version: 1a Release date: Mar. 80

BACKGROUND and PRIMARY OBJECTIVES:
The aim of the system was the University Library's modernization. The main problem was a huge quantity of books waiting for technical processing (cataloging/classification).

GENERAL DESCRIPTION, MAIN FEATURES:
The system was developed on a data base and the queries, online. Using electronic data processing the system was able to support the selection, acquisition and technical processing of the material, as well as helping the users obtain a more flexible and adequate use of the library.

PRODUCER:
Name: Fundação Universidade de Brasilia
Address: Centro de Processamento de Dados, Brasilia, Distrito Federal 70910, BRAZIL
Telephone: 0612-2733251
Telex: 0611083 UNBS BR

For additional information contact:
Name: Marco Antonio P. Werneck
Title: Director
Firm/Institution: Fundação Universidade de Brasilia
Address: Centro de Processamento de Dados, Brasilia, Distrito Federal 70910, BRAZIL
Telephone: 0612-2733251
Telex: 0611083 UNBS BR

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: BURROUGHS 6712 and all B-6000, B-7000 Burroughs computer series.

The software package is implementable on a mainframe computer.
Configuration: Burroughs Corp., BURROUGHS 6712.

Memory size: 1200MB
Disk drives: 175MB 1 unit
Tape drives: 1x1600 BPI, PE
Terminals: 1xTVA800/TD800
Printers: 1x1100 LPM

Other peripheral equipment: DCP (Data Communication Processor).

III. SOFTWARE - OPERATING SYSTEM

Name: Master Control Program
Compilers:, DMALGOL,DCALGOL, BDMSCOBOL

Record Management System (RMS): Index sequential, Relative direct access, DBMS
Name of DBMS: Data management system II (DMSII)

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: 152
Maximum number of records: 2,000,000
Maximum number of fields/record: 46

The system's command language is: Portuguese, English

Batch operations.
Online operations; Number of terminals: 31 (currently 14 terminals).

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Move text, Copy text.

Features of query language: Numerical search, Search-term truncation, Field-based search, Full-text search.

Search functions: Postings, Show results on screen, Print results.

Print generator: Statistics, Forms.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Circulation statistics, Reserving an item, Interlibrary loan.

Documentation: Available in Portuguese; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

Special applications: The main application is the automation of all activities of a library.

User can add application programs.
System is available without geographic limitations.
Warranty: For an undetermined period of time.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Number of installations: 1
*Locations: Library of University of Brasilia.

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I. GENERAL FEATURES

SYSTEM NAME: Bibliographic data/Batch processing (Dados Bibliograficos/Processamento em Batch

Acronym: BIB/BATCH

Version: 03 Release date: Oct. 82

BACKGROUND and PRIMARY OBJECTIVES:
Primary objective is to offer to the students of the Library School of the University of Brasilia at graduate and post-graduate level, the opportunity of getting acquainted with all the practical aspects of the complete documentary cycle and to offer to the professors the opportunity of managing their own bibliographic files. Another objective is to offer to other schools and departments of the University of Brasilia a practical tool to manage several types of files and archives. Note: Version number 01 (release date: July, 1981) does not include automatic indexing features; Version number 02 (release date: Jan., 1982) does not include data entry thru terminal.

GENERAL DESCRIPTION, MAIN FEATURES:
Data input (punched cards and keyboarding thru terminal) and formatting. Error messages. Management of current bibliographic data for academic purposes. Vocabulary development and maintenance. Stopword list maintenance. Automatic indexing. Generation of any type of index (author, corporate author, subject, KWIC, KWOC). Frequency of appearance and control of association of and between descriptors in data bases. Selective Dissemination of Information. Information retrieval. Directory generation. Catalogue cards generation. Address label generation. Control and management of archives and files.

PRODUCER:
Name: Universidade de Brasilia. Departamento de Biblioteconomia
Address:, Brasilia, DF 70910, BRAZIL
Telephone: (061) 2720000
Telex: (061) 1083

For additional information contact:
Name: Jaime Robredo
Title: Chefe (Director)
Firm/Institution: Departamento de Biblioteconomia (School of Librarianship)
Address: Universidade de Brasilia (University of Brasilia), Brasilia, DF 70910, BRAZIL
Telephone: (061) 2720000 r.2410
Telex: (061) 1083

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II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: BURROUGHS 6700 and on any computer accepting standard COBOL.

The software package is implementable on a mainframe computer. Configuration: Burroughs Corp., BURROUGHS 6700.

Memory size: 20.000 words
Disk drives: capacity 175M 2 units
Tape drives: 2
Terminals: 1
Printers: 1

Other peripheral equipment: Card reader.

III. SOFTWARE - OPERATING SYSTEM

Name: Master Control Program (MCP) 3.0; Control system/language: Work flow language (WFL); Message control system (for terminal): Command And Edit (CANDE)
Utilities: Sort, Dumpall; Copy; Filedata; etc.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: 2575
Maximum number of records: A few thousands
Maximum number of fields/record: 7 (seven) main fields including several sub-fields

The system's command language is: English, French, Spanish

Batch operations.
Online operations; Number of terminals: It will depend on the computer configuration.

Type of system capability: single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text.

Features of query language: Boolean operators, Search-term truncation, Controlled but not structured vocabulary.

Search functions: Print results.

Print generator: Sort, KWIC-KWOC, Statistics, Indexing.

Catalog functions: Print catalogs.

Documentation: Systems manual, Reference manual, Operations manual, User guide, Training manual.

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Special applications: Examples given above are not exhaustive.

User can add application programs.
There is warranty.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Number of installations: 1
*Locations: Departamento de Biblioteconomia. Universidade de Brasilia 709 Brasilia, DF (Brazil).

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I. GENERAL FEATURES

SYSTEM NAME: Retrieval of Bibliographic Data by Dialoguing with the Computer. (Recuperação de dados Bibliograficos em Dialogo)

Acronym: BIB/DIALOG

Version: 01 Release date: Apr. 82

BACKGROUND and PRIMARY OBJECTIVES:
The system offers the students of the School of Librarianship of the University of Brasilia, at graduate and post-graduate levels, the opportunity of becoming familiar with data organization and data base generation and use for information retrieval purposes, on an interactive basis, as well as supporting practice on document indexing, search strategy definition, recall estimations, etc. The system offers to professors and students of the school the possibility of online searching information in small and medium-sized bibliographic data bases. Information retrieval facilities in a conversational mode can also be extended to current research projects control, academic regulations control, etc.

GENERAL DESCRIPTION, MAIN FEATURES:
Data input (punched cards and keyboarding thru terminal) and formatting. Error messages. Management of small and medium-sized data bases. Inverted file, link file, access file and master file generation and updating. Interactive searching using Boolean operators. Search-term. Truncation. Posting. References exhibition on the screen. Optional offline printing of reference lists.

PRODUCER:
Name: Universidade de Brasilia. Departamento de Biblioteconomia
Address:, Brasilia, DF 70910, BRAZIL
Telephone: (061) 2720000 r.2410
Telex: (061) 1083

For additional information contact:
Name: Jaime Robredo
Title: Chefe (Director)
Firm/Institution: Departamento de Biblioteconomia (School of Librarianship)
Address: Universidade de Brasilia (University of Brasilia), Brasilia, DF 70910, BRAZIL
Telephone: (061) 2720000 r.2410
Telex: (061) 1083

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II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: BURROUGHS 6700 and on any computer accepting standard COBOL.

The software package is implementable on a mainframe computer. Configuration: Burroughs Corp., BURROUGHS 6700.

Memory size: 15KW
Disk drives: disk drive 1 175M 2 units
Tape drives: 2
Terminals: 1
Printers: 1

Other peripheral equipment: Card reader.

III. SOFTWARE - OPERATING SYSTEM

Name: Master Control Program (MCP) 3.0; Control system/language; Work flow language (WFL); Message control system (for terminal): Command And Edit (CANDE)
Utilities: Sort, Dumpall; Copy: Filedata, etc.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: 2575
Maximum number of records: A few thousand
Maximum number of fields/record: 7 (seven) main fields including several sub-fields

The system's command language is: Portuguese and English

Batch operations.
Online operations; Number of terminals: It will depend on the computer configuration.

Type of system capability: single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text.

Features of query language: Boolean operators, Search-term truncation, Controlled but not structured vocabulary.

Search functions: Postings, Show results on screen, Print results, Revise query.

Documentation: Systems manual, Reference manual, Operations manual, User guide, Training manual.

Special applications: Examples given above are not exhaustive.

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User can add application programs.
There is warranty.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Number of installations: 1
*Locations: Departamento de Biblioteconomia. Universidade de Brasilia 70910 Brasilia, DF (Brasilia).

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I. GENERAL FEATURES

SYSTEM NAME: Blaise Away

Acronym: BLAISE AWAY (*)

release date: 81

BACKGROUND and PRIMARY OBJECTIVES:
BLAISE AWAY aims to acquaint students of librarianship with some of the more important features of an online search. It serves also as an introduction to the command language of BLAISE.

GENERAL DESCRIPTION, MAIN FEATURES:
"Talks" the user through simple known-item and subject searches, taken from the UK Current MARC file. The purpose is to allow students to discover some of the features of interactive online searching. It serves as an introduction to the command language BLAISE. Students do not need any experience in online searching, although some knowledge of the shape and content of MARC records is necessary. The program consists of 8 steps.

PRODUCER:
Name: Manchester Polytechnic, Department of Library & Information Studies
Address: Lower Ormond Street, Manchester M15 6BX, UNITED KINGDOM
Telephone: 061-228-6171

For additional information contact:
Name: J. F. Farrow or A. J. Wood
Firm/Institution: Manchester Polytechnic, Department of Library and Information Studies
Address: Lower Ormond Street, Manchester M15 6BX, UNITED KINGDOM
Telephone: 061-228-6171

II. HARDWARE REQUIREMENTS

The software package is implementable on a micro computer.
Configuration: Apple Computer Inc., Model II.

Memory size: 32K
Disk drives: 1 X 5 1/4

III. SOFTWARE - OPERATING SYSTEM

Name: DOS 3.3 or 3.2.1

IV. SOFTWARE APPLICATION SYSTEM

The system's command language is: English, no other languages available.

Documentation: Available in English; User guide.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000

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I. GENERAL FEATURES

SYSTEM NAME: BLAISERS2

Acronym: BLAISERS2 (*)

Version: 2 Release date: 79

BACKGROUND and PRIMARY OBJECTIVES:
Teaching aid to provide instruction in the use of the BLAISE MARC (AACR2) files. The package consists of eight modules; Retrieval using ISBN's, BNB numbers, LC numbers and title words; subject searching using classification codes (Dewey) and subject headings (Precis); and use of the Editor to amend retrieved MARC records and create new catalog records.

GENERAL DESCRIPTION, MAIN FEATURES:
Teaching aid used in training library school students, librarians and information workers in the basic techniques of online cataloguing and bibliographic retrieval using the BLAISE MARC files.

PRODUCER:
Name: Department of Information Studies, University of Sheffield
Address:, Sheffield S10 2TN, UNITED KINGDOM
Telephone: 0742-78555
Telex: 54348

For additional information contact:
Name: Miss F.E. Wood
Title: Lecturer
Firm/Institution: Department of Information Studies, University of Sheffield
Address:, Sheffield S10 2TN, UNITED KINGDOM
Telephone: 0742-78555
Telex: 54348

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: PRIME 400 and on a wide range of computers, Micro, Mini and Mainframe, including PRIME 750, VAX 11/780, IBM 4331, ICL, Burroughs and on a Commodore Pet Micro. Negligible OS dependency, relatively machine independent.

The software package is implementable on a mini computer.
Configuration: Prime Computer, PRIME 400.

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III. SOFTWARE - OPERATING SYSTEM
Name: PRIMOS

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: fixed

The system's command language is: English, no other languages available.

Online operations; Number of terminals: As many as the computer can handle.

Features of query language: Boolean operators, Search-term truncation, Field-based search, Editing and creating bibliographic records online. This is a simulation of a system with these features. Teaches their use..

Search functions: Display dictionary, Postings, Show results on screen, Print results, This is a simulation of a system which has these features.

Catalog functions: Create, Skip (in create prompt mode), Correct, Add, This is a simulation of a system which has these features. It teaches their use.

Documentation: Available in English, Small amount of program documentation.

System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: Up to $5,000
Number of installations: 20
*Locations: Department of Librarianship, University of Strathclyde, Livingstone Tower, Richmond Street, Glasgow, G1 1XH, Scotland; Institute of Library Science, University of the Philippines, Gonzales Hall, Dilman, Quezon City, Philippines; Department of Library and Information Studies, Manchester

Polytechnic, Ormond Building, Lower Ormond Street, All Saints, Manchester, M15 6BX, England; Middlesex Polytechnic Library, Level 4, Bounds Green, London N.11, England.

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I. GENERAL FEATURES

SYSTEM NAME: Blaise/Marc Simulation

Acronym: BLASIM

Version: 2 Release date: 81

BACKGROUND and PRIMARY OBJECTIVES:

The program was developed in 1979 in order to teach students and professional trainers the basic approach to searching BLAISE/MARC files, and to give in-house experience in this before live searching takes place. Blasim is designed to follow on from 'Fossils' (system developed by Sheffield University) and uses similar examples.

GENERAL DESCRIPTION, MAIN FEATURES:

BLASIM simulates a BLASIM/MARC search, explaining user input for handshaking and searching. It demonstrates the output that a user would receive from BLAISE. Non-Blaise output is preceded by an asterisk. An error message is displayed if the user makes an incorrect response. 'Out of Time' counts as an error. At the end of the session the number of errors is displayed. No errors result in a congratulatory message. BLASIM is intended for use in teaching.

PRODUCER:

Name: Department of Librarianship, Brighton Polytechnic
Address: Falmer, Brighton, Sussex BN1 9PH, UNITED KINGDOM
Telephone: 0273-606622

For additional information contact:
Name: Mrs. Aldyth D. Scott
Title: Senior Lecturer
Firm/Institution: Department of Librarianship, Brighton Polytechnic
Address: Falmer, Brighton, Sussex BN1 9PH, UNITED KINGDOM
Telephone: 0273-606622

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: HP 2000. From January 1984 will be available on a VAX 11/780.

The software package is implementable on a mini computer.
Configuration: Hewlett-Packard, HP 2000.

Memory size: 2x64KB (16 byte words)
Disk drives: 2 e dis
Tape drives: IMT
Terminals: Max. 32
Printers: Max. 1

Other peripheral equipment: Optical mark reader.

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III. SOFTWARE - OPERATING SYSTEM
Name: HP200 Access

IV. SOFTWARE APPLICATION SYSTEM

The system's command language is: English, no other languages available.

Online operations; Number of terminals: 32.

Documentation: Available in English, only student hand outs available.

System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: No charge *Object Code: No charge

I. GENERAL FEATURES

SYSTEM NAME: Biblio-Techniques Library & Information System

Acronym: BLIS

Version: 2.2 Release date: Aug. 82

BACKGROUND and PRIMARY OBJECTIVES:
BLIS is an integrated, multi-function computer system which was developed for libraries and information centers. BLIS combines off-shelf, proven software and hardware components and is installed, enhanced and maintained by Biblio-Techniques as a turnkey system. BLIS is based on the Washington Library Network Computer System Software with Software AG's ADABAS Data Base Management System and COM-PLETE Teleprocessing System using IBM-compatible hardware components.

GENERAL DESCRIPTION, MAIN FEATURES:
BLIS features an online public catalog that can be customized for specific applications, a sophisticated catalog management component with authority control, acquisitions with fund accounting linked to the catalog, and easy-to-run batch routines for products, listings, data base processing and management statistics. Circulation and serials control capabilities linked to the catalog are in development. BLIS intallations benefit from all functional enhancements made to the WLN software.

PRODUCER:
Name: Biblio-Techniques, Inc
Address: 8511 Lake Luci[illegible]a Drive S.W., Olympia, WA 98502,
U.S.A.
Telephone: 206-786-1111

For additional information contact:
Name: Richard Woods
Title: Marketing
Firm/Institution: Biblio-Techniques, Inc
Address: 8511 Lake Lucinda Drive S.W., Olympia, WA 98502,
U.S.A.
Telephone: 206-786-1111

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370, IBM 30XX, IBM 43XX, IBM System/38.

Memory size: 2MB - 16MB
Disk drives: 317MB 4 units - 635MB 40 units
Tape drives: 2 - 16
Terminals: 2 - 500
Printers: 1 - same as terminals

Other peripheral equipment: Communications controller,

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telecommunications equipment.

III. SOFTWARE - OPERATING SYSTEM
Name: IBM OS/VS1, MVS, DOS
Record Management System (RMS): DBMS
Name of DBMS: ADABAS
Utilities: Sort, Standard IBM utility package.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 3000 or 6000 byte option
Maximum number of records: 16,000,000
Maximum number of fields/record: Only limited by the MARC format

The system's command language is: System-developed user query language, Flexible public access component supports translations of command language

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 50 - 500 depending on central processing unit.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Search-term truncation, Thesaurus, Field-based search, Nesting of instructions, Alternative query languages, Browsing.

Search functions: Postings, Show results on screen, Print results, Revise query, Return query.

Print generator: Sort, Statistics, Indexing, Forms, Editing a format.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies, Budget control.

Catalog functions: Create, Remove, Print catalogs.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in English; Reference manual, Operations manual, User guide, Training manual.

System is available without geographic limitations.
Warranty: Through expiration of license agreement.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: More than $100,000
Conditions, (for object code): Program License.
Price range of hardware: More than $100,000

Number of installations: 6
*Locations: Washington Library Network, Olympia, WA, USA; University of Illinois, Champaign; University of Missouri, Columbia; Biblio-Techniques. National Libraries in Australia and New Zealand.

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I. GENERAL FEATURES

SYSTEM NAME: BRS/SEARCH A, Mainframe Version

Acronym: BRS/SEARCH A

Version: 1.0 Release date: Apr. 82

BACKGROUND and PRIMARY OBJECTIVES:
BRS/SEARCH A was designed for free text, full text information retrieval in a multi-user, multi-database environment. It was originally developed to run the BRS commercial service, one of the largest online retrieval services in the world.

GENERAL DESCRIPTION, MAIN FEATURES:
BRS/SEARCH A is a full text, inverted file, information retrieval system which can handle fixed formatted data, full text and numerics. It functions in an interactive environment and has a full complement of batch accounting, printing and loading programs.

PRODUCER:
Name: BRS
Address: 1200 Route 7, Latham, NY 12110, U.S.A.
Telephone: 518-783-1161
Telex: 710 444 4965

VENDOR:
Name: BRS
Address: 1200 Route 7, Latham, NY 12110, U.S.A.
Telephone: 518-783-1161
Telex: 710 444 4965

For additional information contact:
Name: Kay Durkin
Title: Vice President, Marketing
Firm/Institution: BRS
Address: 1200 Route 7, Latham, NY 12110, U.S.A.
Telephone: 518-783-1161
Telex: 710 444 4965

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 370, IBM 303X, IBM 308X, IBM 43XX and any IBM or IBM compatible mainframe of minimum architecture 370/135.

The software package is implementable on a mainframe computer. Configuration: IBM, IBM 370, IBM 303X, IBM 308X, IBM 43XX.

III. SOFTWARE - OPERATING SYSTEM

Name: OS/MFT OS/MVT OS/VS1 MVS
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: Unlimited
Maximum number of records: Unlimited
Maximum number of fields/record: Unlimited

The system's command language is: English-like commands, no other languages available.

Batch operations.
Online operations; Number of terminals: Unlimited.

Type of system capability: multiple file, simultaneous file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Cancel latest revisions, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort.

Catalog functions: Create, Print catalogs, Correct, Add.

Documentation: Available in English, Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

User can add application programs.
System is available without geographic limitations.
Warranty: 90 days, then optional maintenance.

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System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $50,001 - $100,000
Conditions, (for object code): $35,000 for base product up to $70,000 depending on options.
Number of installations: 10
*Locations: NY Times Information Service.

I. GENERAL FEATURES

SYSTEM NAME: BRS/SEARCH B, Micro/Mini Version

Acronym: BRS/SEARCH B

Version: 1.0 Release date: Sep. 82

BACKGROUND and PRIMARY OBJECTIVES:
BRS/SEARCH B was designed for free text, full text information retrieval and update in a mini or micro computer environment. It can function as a stand-alone system or can network to a central computer facility.

GENERAL DESCRIPTION, MAIN FEATURES:
BRS/SEARCH B is a general information retrieval system for micros and minis with an inverted file structure. It has left-hand, right-hand, embedded and wild card truncation possibilities as well as online editing and online updating capabilities.

PRODUCER:
Name: BRS
Address: 1200 Route 7, Latham, NY 12110, U.S.A.
Telephone: 518-783-1161
Telex: 710 444 4965

For additional information contact:
Name: Kay Durkin
Title: Vice President, Marketing
Firm/Institution: BRS
Address: 1200 Route 7, Latham, NY 12110, U.S.A.
Telephone: 518-783-1161
Telex: 710 444 4965

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: PDP 11/34, PDP 11/44, PDP 11/70 and any computer running the UNIX operating system.

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11/34, PDP 11/44, PDP 11/70.

III. SOFTWARE - OPERATING SYSTEM

Name: UNIX
Compilers:, 'C'
Record Management System (RMS): Relative direct access

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IV. SOFTWARE APPLICATION SYSTE[illegible]

Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: unlimited
Maximum number of records: unlimited
Maximum number of fields/record: unlimited

The system's command language is: English-like commands, no other languages available.

Batch operations.
Online operations; Number of terminals: Limited by hardware only.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort.

Catalog functions: Create, Remove, Print catalogs, Correct, Add.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide.

Special applications: Legal, Medical available.

User can add application programs.
System is available without geographic limitations.
Warranty: 1 month.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $5,001 - $10,000
Number of installations: 1
*Locations: in BETA TEST.

I. GENERAL FEATURES

SYSTEM NAME: Cortex Application BUILDER

Acronym: BUILDER

Version: 3.5 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
The Cortex Application BUILDER cuts application development time up to 100% and then tunes the application to improve run-time efficiency up to 90%. BUILDER is the only fourth-generation productivity language to combine fast software development with rapid machine execution. BUILDER achieves superior performance through function integration, prototype development, powerful components, and application distribution to target sites (optional).

GENERAL DESCRIPTION, MAIN FEATURES:
The major components of BUILDER include: 1) data base management and security; 2) screen formatting and data entry; 3) integrated data directory; 4) application programming language; 5) end-user facilities; 6) sort, merge, consolidation; 7) report generation; 8) data base journalling. BUILDER also includes simple QUERY, statistical, and report-writing commands. These facilities provide data base access for ad-hoc information requirements. Cortex Application Accelerator option produces multi-user shared, re-entrant task II images for high-performance applications.

PRODUCER:
Name: Cortex Corporation
Address: 55 William Street, Wellesley, MA 02181, U.S.A.
Telephone: 617-237-2304

For additional information contact:
Name: Mr. Kimball L. Mason
Title: Vice President of Marketing
Firm/Institution: Cortex Corporation
Address: 55 William Street, Wellesley, MA 02181, U.S.A.
Telephone: 617-237-2304

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, VAX 11, All models.

Memory size: 256K - 1Million
Disk drives: 10MB capacity 1 unit - 300MB capacity 16 units
Terminals: 1 - 64
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: RSX-11M, RSX-11M+, IAS, VMS

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Record Management System (RMS): Index sequential, Relative direct access
Others: Hashed key access
Utilities: Sort, Tape handler.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed
Maximum record length: 2048 character
Maximum number of records: unlimited
Maximum number of fields/record: 500

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: 1-64.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Statistics, Indexing.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies, Budget control.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

Special applications: General application development language for business and information handling purposes.

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User can add application programs.
System is available in North America, Europe.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $10,001 - $50,000
Price range of hardware: More than $100,000

Number of installations: 65
*Locations: AB Dick Company, Chicago, IL; Eddie Bauer, Division of General Mills, Redmond, WA; Environmental Protection Agency, Washington, DC.

I. GENERAL FEATURES

SYSTEM NAME: Bibliotektjänsts Utlånings - OCM Media - Kontrollsystem

Acronym: BUMS

Version: II Release date: Jan. 77

BACKGROUND and PRIMARY OBJECTIVES:
BUMS is a library circulation + Media control system (including a bibliographic data base) which records, maintains and retrieves information for the utilization of circulation control and for different kinds of cataloging products.

GENERAL DESCRIPTION, MAIN FEATURES:
BUMS consists of two subsystems. The BUMS Catalog includes routines for recording, maintaining and retrieving information in the bibliographic data base. The Bibliographic record is formatted in a MARC-format (ISO-2709). The BUMS circulation control system includes routines for checking out, renewing and returning loaned materials, placing a hold on items in circulation, and generating recall, overdue and fine notices. Transactions are recorded by mean of a light pen or keyboard at libraries belonging to the system.

PRODUCER:
Name: Bibliotektjänst AB
Address: P.O.B. 1706, Lund, SWEDEN
Telephone: 046-140480
Telex: 32200 BTJLUND

For additional information contact:
Name: Bert Sjöstedt
Title: System Manager
Firm/Institution: Bibliotektjänst AB
Address: P.O.B. 1706, Lund, SWEDEN
Telephone: 046-140480
Telex: 32200 BTJLUND

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Honeywell Information Systems, DPS 8/46.

Memory size: 2MB - 4MB
Disk drives: 4GB
Tape drives: 4
Terminals: 20 - 50
Printers: 3

Other peripheral equipment: 120 Library terminals (with light pen), Paper tape reader, Laser printer, Photo-composition equipment, Com recorder.

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III. SOFTWARE - OPERATING SYSTEM
Name: GECOS 3
Record Management System (RMS): Index sequential, DBMS
Name of DBMS: IDS II
Others: Transaction Processor: TDS-ASCII

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 4000
Maximum number of records: unlimited
Maximum number of fields/record: unlimited

The system's command language is: Swedish, no other languages available.

Batch operations.
Online operations; Number of terminals: 100-200 (including internal terminals).

Type of system capability: multiple file.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Move text, Copy text.

Search functions:, Author, Title, ISBN, ISSN, Periodical seriel-number, Swedish classification code.

Catalog functions: Create, Print catalogs, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Multiple copies.

Documentation: Available in Swedish.

System is available in Sweden.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Number of installations: 50
*Locations: From north to the south, Sweden.

I. GENERAL FEATURES

SYSTEM NAME: Bibliotheks - Verbund System

Acronym: BVS

Version: 3.0 Release date: 83

BACKGROUND and PRIMARY OBJECTIVES:
BVS was created in the beginning of the seventies in BS1000 and was converted into the operating system BS2000 in 1979. It is a system for libraries, documentation centers, publishers, archives, etc., but it can be used wherever there is a large amount of data entry and maintenance. That means BVR has been specifically designed for employment in libraries while remaining flexible enough for other possible applications.

GENERAL DESCRIPTION, MAIN FEATURES:
BVS-D is an online system for entering, updating, linking, output and retrieval of bibliographic and library-related data. It can also be employed in batch mode. It supports the user in comfortable and helpful ways and is an extremely flexible system. BVS-R permits a convenient, multi-dimensional access via verbal search runs. Because of its flexibility you can connect any of your own program(s), one can program via defined interfaces any user-routine or desired function.

PRODUCER:
Name: Siemens-AG
Address: Otto-Hahn-Ring 6, Muenchen, D-8000, FEDERAL REPUBLIC OF GERMANY
Telephone: 089-636-1
Telex: 52109-0

For additional information contact:
Name: Mrs. Ute Vogt
Title: Dipl.-Bibliothekarin
Firm/Institution: Siemens-AG
Address: Otto-Hahn-Ring 6, Muenchen, D-8000, FEDERAL REPUBLIC OF GERMANY
Telephone: 089-636-2763

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: Siemens, 7531.

Memory size: 512KB - 1MB (BVS-D+BVS-R)
Disk drives: 2 Units
Tape drives: 1
Terminals: 2 - 255

III. SOFTWARE - OPERATING SYSTEM

Name: BS2000
Record Management System (RMS): Index sequential

****

Others: BVS has its own data management system (access via ISAM/PAM/SAM)

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 522.000 Bytes
Maximum number of records: Nearly unlimited
Maximum number of fields/record: 255

The system's command language is: German, English

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 255.

Type of system capability: multiple file, simultaneous file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search.

Search functions: Display dictionary, Show results on screen, Revise query, Return query.

Catalog functions: Create, Remove, Correct, Add.

Documentation: Available in German and English; Systems manual, Utilities manual, User guide, Training manual.

User can add application programs.
System is available in Africa, Europe, South America.

Warranty: 12 Months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $50,001 - $100,000
Conditions (for object code): Price for BVS-D+BVS-R.
Price range of hardware: More than $100,000

Number of installations: 6
*Locations: Deutsche Bibliothek, Frankfurt, Germany; FIZ4,

Leopoldshafen - Eggenstein, Germany; WDK, Koeln, Germany; BVA, Koeln, Germany; IRI, Roma, Italy; NBLC, Netherlands.

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I. GENERAL FEATURES

SYSTEM NAME: Computer Assisted Information Retrieval System

Acronym: CAIRS

Version: MK II Release date: Jan. 80

BACKGROUND and PRIMARY OBJECTIVES:
System has been under continuous development for the past 10 years. Designed to provide a computerized facility for all of the regular functions in an information unit: i.e., rapid retrieval, SDI, printed indexes, bulletins, record manipulations, etc.

GENERAL DESCRIPTION, MAIN FEATURES:
Designed for full on-line entry, editing, searching and manipulation of data. The main application to date has been bibliographic information retrieval, but use for membership records, personnel, project control, legislation, etc. is now active.

PRODUCER:
Name: Leatherhead Food Research Association
Address: Randalls Road, Leatherhead, Surrey, UNITED KINGDOM
Telephone: L. 376761

For additional information contact:
Name: Mr. G. N. Cline
Firm/Institution: Leatherhead Food Research Association
Address: Randalls Road, Leatherhead, Surrey, UNITED KINGDOM
Telephone: L. 376761

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: TI 990/10, TI 990/12, series TI 980 and TI 990, PDP-11 series, VAX 11 series, Prime mini-computer and Perkin-Elmer 32 series. The software package is implementable also on a mainframe computer.

The software package is implementable on a mini computer.
Configuration: Texas Instruments Inc., TI 990/10, TI 990/12.

Memory size: 64KB - 480KB
Disk drives: 10MB 1 unit - 250MB 16 units
Tape drives: Max. 4
Terminals: 1 - 30
Printers: Unlimited

III. SOFTWARE - OPERATING SYSTEM

Name: DX10, RSX-11M, RSTS, VMS, PRIMOS, PERKIN ELMER OS32, CPM86
Compilers: Assembler, RTL2
Record Management System (RMS): Relative direct access
Utilities: Sort.

****

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 2.8MB
Maximum number of records: 1 Million/System
Maximum number of fields/record: 90

The system's command language is: CAIRS own command language, Task names are user specified

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: Depends upon computer.

Type of system capability: multiple file, simultaneous file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Insert text from external files.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode, KWIC-KWOC, Indexing, Forms, Editing a format, Word processing.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies, Stock ordering.

Documentation: Available in English; Operations manual, User guide, Training manual.

User can add application programs.
System is available without geographic limitations.
Warranty: 3 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Price range of hardware: More than $100,000

Number of installations: 30
*Locations: British Aerospace, Bristol; B.P. Chemicals, Barry, S. Wales; CPC Europe, Brussels, Belgium; Unilever, Balmain, Australia, etc.

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I. GENERAL FEATURES

SYSTEM NAME: Catalogação Legivel por Computador

Acronym: CALCO

Version: 2 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
The entry format was based on the MARC II format and proposed by the National Library of Brazil as a standard for bibliographic entry in automated systems. The FGV adapted this format for its entries aiming to create a central file of libraries' catalogues without duplication and permit the use of the system by multiple institutions on a cooperative basis.

GENERAL DESCRIPTION, MAIN FEATURES:
The system was subdivided into multiple tasks in order to permit development in modules. The main modules are cataloging, shared cataloging (including the utilization of MARC records USBKUS) and information retrieval. The modules implemented July, 1982 are: cataloging and shared cataloging in batch mode.

PRODUCER:
Name: Fundação Getulio Vargas
Address: Praia de Botafogo, 184, Rio de Janeiro, Rio de Janeiro 22253, BRAZIL
Telephone: 551-7349

For additional information contact:
Name: Eugenio L.C. deCourt
Title: Chefe do Centro de Processamento de Dados
Firm/Institution: Fundação Getulio Vargas
Address: Praia de Botafogo, 184, Rio de Janeiro, Rio de Janeiro 22253, BRAZIL
Telephone: 551-7349

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370/145.

Memory size: 120K
Disk drives: 2 2314 disk drive, 2 3340 capacity
Tape drives: 4
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: DOS/POWER/VS
Others: Sequential files (SAM)
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Maximum record length: 10200 bytes
Maximum number of records: no limit (master file on tape)
Maximum number of fields/record: depends on maximum length of record

The system's command language is: The system is presently on batch mode

Batch operations.
Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Insert text from external files, Copy text, All functions on batch mode.

Acquisition functions: Preliminary search, Document creation, Multiple copies, All functions on batch mode.

Catalog functions: Print catalogs, Correct, Add, Multiple copies, All functions on batch mode.

Documentation: Available in Portuguese; Systems manual, Reference manual, Operations manual, Training manual.

User can add application programs.
System is available without geographic limitations.
Warranty: 6 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code:
Conditions (for object code): Special agreements.
Special terms for developing countries: Object of special agreements

Number of installations: 1
*Locations: Fundação Getulio Vargas, Rio de Janeiro.

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I. GENERAL FEATURES

SYSTEM NAME: Comprehensive Automated Learning Resources System

Acronym: CALS

Version: 1 Release date: May 82

BACKGROUND and PRIMARY OBJECTIVES:
CALS (Comprehensive Automated Learning Resources System) was researched, developed, and demonstrated under the auspices of the Northern Illinois Resources Cooperative (NILRC). It is an online interactive library management system designed to improve user services, reduce operational costs, and improve management efficiency. CALS is a flexible and comprehensive system that accommodates all media formats and meets the needs of many diverse institutions including small and medium-sized colleges, school libraries and public libraries. Its data base concept, modular programming and table-driven structure give the system broad applicability and ease of installation and transfer. It is currently installed at Elgin Community and Waubonsee Community Colleges.

GENERAL DESCRIPTION, MAIN FEATURES:
Operational features include: Charge and discharge of materials and equipment, online scheduling of audiovisual equipment and materials, automatic verification of borrowers and detection of restricted borrowers, MARC or OCLC conversion, automatic calculation and display of overdue fines, machine-readable identification (OCR-A formats), phonetic searching of author and title, batch reports for management information statistics, online or batch analysis of equipment use patterns and maintenance records. Integrated bibliographic circulation, and patron displays.

PRODUCER:
Name: Northern Illinois Learning Resources Cooperative
Address: Waubonsee Community College, Route 47, Harter Rd., Sugar Grove, IL 60554, U.S.A.
Telephone: 312-466-4811 Ext. 318-316

VENDOR:
Name: CALS Services Group Ltd.
Address: 133 McKinstry Drive, Elgin, IL 60120, U.S.A.
Telephone: 312-695-2862

For additional information contact:
Name: Dr. Jack Weiss
Title: Director, Learning Resources Ctr.
Firm/Institution: Elgin Community College
Address: 1700 Spartan Drive, Elgin, IL 60120, U.S.A.
Telephone: 312-697-1000 Ext. 353

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II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370, IBM 4300.

Memory size: 2 Meg (Software Storage) - Add'l Disk Space as needed
Disk drives: Dependent on User Data
Tape drives: 1
Terminals: As needed
Printers: 1

Other peripheral equipment: Machine-readable Label Identification Equipment including: 1) Model 130 OCR Readers Terminals. Readers allow either keyed or wanded entry of information. 2) Model 3440 OCR Portable Wand Readers as necessary for automated inventory or system back-up.

III. SOFTWARE - OPERATING SYSTEM

Name: DOS/VS or DOS/VSE
Record Management System (RMS): DBMS
Name of DBMS: DL/1
Utilities: Sort, CICS.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Maximum record length: n/A
Maximum number of records: 1,000,000,000
Maximum number of fields/record: N/A

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: Depends on mainframe capability.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Full screen edit.

Features of query language: Field-based search, Phonetic access to bibliographic files.

Search functions: Show results on screen, Online bibliographic search displays current circulation status. Online display of current patron activity. Online access by author, title, call number, item number, LC card number.

Print generator: Sort, Decode, Forms.

Acquisition functions: Preliminary search.

****

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies, Hourly circulation, reserve collections, fine calculation, overdue notices, validation of borrowers, borrower holds, recall notices.

Documentation: Available in English; Systems manual, Operations manual, User guide.

Special applications: Online descriptor system for art slide collection. Online audio-visual equipment scheduling. Designed for multi-media, multi-location collections.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $10,001 - $50,000
Price range of hardware: More than $100,000

Number of installations: 2
*Locations: Elgin Community College 1700 Spartan Drive, Elgin, IL 60170; Waubonsee Community College - Route 47, Harter Road, Sugar Grove, IL 60554.

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I. GENERAL FEATURES

SYSTEM NAME: Canadian Service for the Selective Dissemination of Information

Acronym: CAN/SDI

release date: 69

BACKGROUND and PRIMARY OBJECTIVES:
CAN/SDI has been a national information retrieval system for Canadian researchers, technologists and managers in industry, university and government since 1969. CAN/SDI is a current awareness service which keeps you informed of the most recent publications (journal articles, conference papers, technical reports and patents) in your field of interest, by using an "interest profile" based on your information needs. This profile consists of keywords, phrases, author and organization names describing your personal or group requirements. Once a week, every two weeks or once a month, depending on the database selected, a list of references retrieved by your profile will be mailed to you. Twenty (20) data bases are currently available.

GENERAL DESCRIPTION, MAIN FEATURES:
"Batch" information retrieval system. Tape suppliers data is manipulated into an internal processing format (MARC-like) and matched against the user interest profiles. Output is in the form of printed citations satisfying the user's area(s) of interest.

PRODUCER:
Name: Canada Institute for Scientific and Technical Information
Address: National Research Council of Canada, Ottawa, Ontario
K1A 0S2, CANADA
Telephone: 613-993-1210
Telex: 053-3115

VENDOR:
Name: UNESCO, Div. of Library, Archives and Documentation Services
Address: 7, Place de Fontenoy, 75700 Paris, FRANCE
Telephone: +331-577-1610
Telex: 204461 Paris

For additional information contact:
Name: Giampaolo del Bigio
Title: Deputy Chief
Firm/Institution: Division of the UNESCO Library, Archives and Documentation Services
Address: 7, Place de Fontenoy, 75700 Paris, FRANCE
Telephone: +331-577-1610
Telex: 204461 Paris

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II. HARDWARE REQUIREMENTS
The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 360, IBM 370, IBM 30XX.

Memory size: 8MB
Disk drives: 200MB 2 units
Tape drives: 2-1600 16250BPI
Printers: 1

Other peripheral equipment: Card reader.

III. SOFTWARE - OPERATING SYSTEM
Name: IBM OS
Record Management System (RMS): Index sequential
Utilities: Sort, Tape dump, Tape copy.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 6204 Bytes (VSAM Record); 4000 bytes VISAM
Maximum number of records: N/A
Maximum number of fields/record: 60

The system's command language is: English, French

Batch operations.
Type of system capability: single file search.

Features of query language: Boolean operators, Search-term truncation, Adjacency of search terms, Full-text search Nesting of instructions.

Search functions: Postings, Print results.

Print generator: Statistics, Forms.

Circulation functions: Up to 2 copies.

Documentation: Available in English; Systems manual, Operations manual, Training manual, CAN/SDI Profile Design Manual available in English and French.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: No charge *Object Code: No charge
Price range of hardware: More than $100,000

*Locations: Located in Australia, Thailand and India.

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I. GENERAL FEATURES

SYSTEM NAME: Crossreferences, Authors, Titles

Acronym: CAT

release date: July 78

BACKGROUND and PRIMARY OBJECTIVES:
The Program was designed to meet the needs of a small group of scientists working in related fields. It was to replace the old system of punched cards that was used before. Since at the time when this need arose (end of 1977) no analogous program was commercially available, it was decided to design one for the available laboratory computer (Wang 2200C).

GENERAL DESCRIPTION, MAIN FEATURES:
The program treats the following documentation items: (1) a unique reference number for the paper (2) bibliographic data (names of authors, journal name, volume, pages, year of publication) (3) title of paper (4) a set of numbers pertaining to keygroups and keywords of the key catalogue which was agreed upon by all the users. For retrieval the computer can be asked for either (1) any combination of keywords to find out cross-references (2) a specified author and his publications (3) a specified reference number (4) an output of all the papers that appeared in a certain journal.

PRODUCER:
Name: M. Saran, M. Erben-Russ, W. Bors
Address:, Neuherberg 8042, FEDERAL REPUBLIC OF GERMANY
Telephone: 089-3874-1
Telex: 523125 Strahld

VENDOR:
Name: GSF (Gesellschaft fuer Strahlen - und Umweltforschung)
Address:, Neuherberg 8042, FEDERAL REPUBLIC OF GERMANY
Telephone: 089-3874-1
Telex: 523125 Strahld

For additional information contact:
Name: Manfred Saran
Title: Dipl. Phys.
Firm/Institution: GSF (Gesellschaft fuer Strahlen - und Umweltforschung)
Address:, Neuherberg 8042, FEDERAL REPUBLIC OF GERMANY
Telephone: 089-3874-2458

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II. HARDWARE REQUIREMENTS
The software package is implementable on a mini computer.
Configuration: Wang Laboratories Computer, WANG 2200.

Memory size: 16K
Disk drives: 2 Diskette drives (model 2270) - 3 drives
Printers: Any if compatible with WANG

III. SOFTWARE - OPERATING SYSTEM
Name: BASIC interpreter as built in computer

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 496 bytes

The system's command language is: English, no other languages available.

Type of system capability: single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Save old text, Full screen edit.

Features of query language: Boolean operators, Thesaurus.

Search functions: Show results on screen, Print results, Save query, Revise query.

Print generator: Decode.

Acquisition functions: Preliminary search, Document creation, Displaying the document.

Documentation: Available in English, German; User guide.

User can add application programs.
System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code:
Conditions (for source code): Handling charge DM 200.
Price range of hardware: $10,001 - $50,000

Number of installations: 2
*Locations: In-house.

I. GENERAL FEATURES

SYSTEM NAME: CBLS Software for Special Libraries

Acronym: CBLS

Version: 2 Release date: 76

BACKGROUND and PRIMARY OBJECTIVES:
Developed in 1976 to manage the cataloging of library and engineering drawing collection. Capable of handling a wide variety of applications, including books, drawings, photos, documents, project files, movies, press releases, documentation.

GENERAL DESCRIPTION, MAIN FEATURES:
Allows Boolean logic searches as well as free text. Easily updated with wholesale change capability. Operated in batch mode and produces numeric reports in printed or COM output.

PRODUCER:
Name: Cibbarelli and Associates
Address: P.O.B. 5337, Huntington Beach, CA 92646, U.S.A.
Telephone: 714-842-6121

For additional information contact:
Name: Ed. Kazlauskas
Title: Senior Partner
Firm/Institution: Cibbarelli and Associates
Address: P.O.B. 5337, Huntington Beach, CA 92646, U.S.A.
Telephone: 714-842-6121

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 360, IBM 370.

Memory size: 30K
Disk drives: 1 Unit
Tape drives: 2
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: DOS or OS
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric

The system's command language is: English

Batch operations.

****

Type of system capability: single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text.

Features of query language: Boolean operators, Field-based search.

Search functions: Print results.

Print generator: Sort.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; User guide, Training manual.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $5,001 - $10,000
Price range of hardware: More than $100,000

Number of installations: 7
*Locations: Southern California Gas Company, CLAIM System-Library, 810 S. Flower, Los Angeles, CA 90017, USA.

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I. GENERAL FEATURES

SYSTEM NAME: Computerized Documentation System/Integrated Set of Information Systems

Acronym: CDS/ISIS

Version: 4.0 Release date: Nov. 82

BACKGROUND and PRIMARY OBJECTIVES:
ISIS is a generalized information storage and retrieval system designed to operate non-numerical data bases. The system provides for manipulation of varying data bases'contents without the need to re-program to suit the needs of the data base. Modularity is used throughout the system to minimize the cost of changes. Batch or online entry is available.

GENERAL DESCRIPTION, MAIN FEATURES:
CDC/ISIS features online or batch data entry and retrieval, editing facilities, multifile search, access to master records via inverted files, indexes built from controlled or uncontrolled fields, print formatting language, tabular control of the composition of each master file, generalized logical record structure for master records, code look-up, standarized communications format interface.

PRODUCER:
Name: UNESCO, Div. of Library, Archives and Documentation Services
Address: 7, Place de Fontenoy, 75007 Paris, FRANCE
Telephone: 1-577-16-10
Telex: 204461 Paris
Cable: Unesco Paris

For additional information contact:
Name: Giampaolo del Bigio
Title: Deputy Chief
Firm/Institution: Division of the UNESCO Library, Archives and Documentation Services
Address: 7, Place de Fontenoy, 75700 Paris, FRANCE
Telephone: 1-577-1610
Telex: 204461 Paris
Cable: Unesco Paris

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM all models and any IBM 360/370 compatible computer, such as RYAD, Ahmdal, Itel.

The software package is implementable on a mainframe computer.
Configuration: IBM,All models.

III. SOFTWARE - OPERATING SYSTEM

Name: IBM's Operating System (OS/MFT, MVT, VS1, MVS)
Compilers: Assembler, PL1, CICS required for conversational programs
Others: VSAM (key sequenced)
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 32000 characters
Maximum number of records: 16,000,000 records
Maximum number of fields/record: Unlimited within max record size (system generation parameter)

The system's command language is: English, Other languages possible in HELP message file

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: Limited only by CICS environment defined at CICS system generation.

Type of system capability: multiple file, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Full screen edit, Cancel latest revisions, Insert text from external files, Static and dynamic definition of field contents.

Features of query language: Boolean operators, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search.

Search functions: Display dictionary, Postings, Show results on screen, Print results.

Print generator: Sort, Decode, KWIC-KWOC, Statistics, Indexing, Forms.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; Systems manual, Reference manual, Operations manual, User guide, Photocomposition Manual, System Installation Manual.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

VI. COST, INSTALLATION

Price range of software : source and object code provided free of charge to non-profit institutions in Unesco Member States, having the required hardware and manufacturer software

Number of installations: 70
*Locations: Algeria, Argentina, Barbados, Brazil, Bulgaria, Cameroun, Canada, Chile, Colombia, Finland, France, Hong Kong, Hungary, India, Italy, Malaysia, Mexico, Peru, Philippines, Poland, Portugal, Senegal, Singapore, Sweden, Thailand, Ukraine, United Kingdom, USA, USSR, Yugoslavia. For more information refer to producer.

I. GENERAL FEATURES

SYSTEM NAME: Computer History and Maintenance Planning System

Acronym: CHAMPS

Version: 82C Release date: May 79

BACKGROUND and PRIMARY OBJECTIVES:
System was designed as a fully integrated plant maintenance system. It will accumulate repetitive and corrective maintenance history, permit archiving of that history. History may be trended, reviewed, summarized, etc.

GENERAL DESCRIPTION, MAIN FEATURES:
The CHAMPS system is a user-controlled maintenance system. Specialized functions include repetitive tasking, NPRDS (Nuclear Plant Reliability Data Systems) reporting, history collection and archiving to mention a few. The data base will support up to 99 separate files; each file will support records with 999 separate fields. User controls data content, data validation and data extraction. Single and multi-line reporters are standard; 1 to 99 reports per run are available in batch mode. CHAMPS uses tables extensively. The system is available in online and/or batch mode. The IBM online mode utilizes CICS and has a powerful, user-controlled screen generation feature.

PRODUCER:
Name: Systems Coordination, Inc.
Address: P.O.B. 1600, Homosassa Spring, FL 32647, U.S.A.
Telephone: 904-795-2362

For additional information contact:
Name: Mr. Earl D. Porter
Title: Vice President - Marketing
Firm/Institution: Systems Coordination, Inc.
Address: P.O.B. 1600, Homosassa Springs, Florida 32647, U.S.A.
Telephone: 904-795-2362

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on any 32 bit machine with 512K CPU and ANS COBOL (74).

Memory size: 512KB
Disk drives: 1 180MB Drive - 2 180MB Drive
Tape drives: Optional.
Terminals: Optional.
Printers: 1 - Optional

III. SOFTWARE - OPERATING SYSTEM

Name: Native Operating System For Machine
Compilers: Assembler, Cobol, Assembler required only if CICS

version desired
Record Management System (RMS): Index sequential
Others: VSAM and Variable Sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 2000 Bytes
Maximum number of records: 30.000 to > 100,000 (at user option)
Maximum number of fields/record: 999

The system's command language is: English, no other languages available.

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: Limited only by hardware configuration.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Hierarchical mass change & key transfer.

Features of query language: Boolean operators, Numerical search, Thesaurus, Field-based search, Full-text search, Nesting of instructions.

Search functions: Print results, Save query.

Print generator: Sort, Decode, Statistics, Forms.

Documentation: Available in English; Systems manual, Reference manual, Operations manual, User guide.

User can add application programs.
System is available without geographic limitations.
Warranty: 12 Months no cost support. An annual maintenance fee assures maintenance and most enhancements.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: More than $100,000

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Special terms for developing countries: Source code may be provided under exceptional conditions.

Number of installations: 4
*Locations: South Carolina Elec-gas, Columbia, SC, USA; Union Electric, St. Louis, MO, USA; Philadelphia Electric, Philadelphia, PA, USA; Arizona Public Service, Phoenix, AZ, USA.

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I. GENERAL FEATURES

SYSTEM NAME: CHECKMATE - Library Serials Control System

Acronym: CHECKMATE (*)

BACKGROUND and PRIMARY OBJECTIVES:
Development began in spring 1979 in response to requests from CLASS-member libraries for library-related software that would run on microcomputers. The objective was to create a comprehensive technical processing system for controlling serials, periodicals, and other non-monographic publications in libraries.

GENERAL DESCRIPTION, MAIN FEATURES:
Menu driven system employing sophisticated search techniques; Controls check-in, claiming, accounting, and routing; Keyword searching using Boolean operators; On-demand printed outputs include serials holdings lists, Title lists, Subject lists, and Expiration Alert notices; System prompted operator input; User defined field tags; Adjustable stop word list; Data protection and file security

PRODUCER:
Name: California Library Authority (CLASS)
Address: 1415 Koll Circle, Suite 101, San Jose, CA 95112, U.S.A.
Telephone: 408-289-1756

For additional information contact:
Name: J. Michael Bruer
Title: Associate Director
Firm/Institution: California Library Authority (CLASS)
Address: 1415 Koll Circle, Suite 101, San Jose, CA 95112, U.S.A.
Telephone: 408-289-1756

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: Radio Shack, TRS 80 model II and any Micro with 64K CPU plus TRSDOS, CP/M, MS or PC-DOS plus large capacity floppy diskettes or a hard disk.

The software package is implementable on a micro computer.
Configuration: Radio Shack, Tandy Corp., TRS 80, Model II.

Memory size: 64K - no maximum
Disk drives: 500K floppies or a hard disk
Terminals: 1 - limitations determined by hardware capability
Printers: 1 - limitations determined by hardware capability

III. SOFTWARE - OPERATING SYSTEM

Name: TRSDOS, CP/M or MS-DOS
Record Management System (RMS): Relative direct access

Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed
Maximum record length: 2225 bytes
Maximum number of records: 2000
Maximum number of fields/record: 20 variable length

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: Depends on hardware.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Field-based search.

Search functions: Show results on screen, Print results, Save query.

Print generator: Sort, Indexing.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; Systems manual, Operations manual, User guide, Training manual.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000 *Object Code: Up to $5,000
Price range of hardware: $5,001 - $10,000

Special terms for developing countries: Multiple copies of CHECKMATE on one purchase order discounted as follows: 2-5

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copies 10%. 6-10 copies 20%. 11-20 copies 30%

Number of installations: 10
*Locations: Hewlett-Packard Corp., Corporate Library, 1501 Page Mill Road, Palo Alto, CA 94304; VA Wadsworth Medical Center, Library Service 691/142D, Wilshire & Sawtelle Blvds., Los Angeles, CA 90037; Palomar College Library, 1140 West Mission, San Marcos, CA 92069, World Book - Childcraft International, Merchandise Mart Plaza, Chicago, IL 60654.

I. GENERAL FEATURES

SYSTEM NAME: Sydney University Circulation System

Acronym: CIRCUS

release date: 79

BACKGROUND and PRIMARY OBJECTIVES:
Objectives: Online, real time circulation control of items in the University of Sydney library's machine readable catalogue. Large dependence of CIRCUS on machine readable catlogue required. History: 1974- NOVA Computer installed in Library; Bar Code labels produced. 1975- Online control of library circulation. 1979- Online control of research library's circulation. 1981- Eclipse computer installed in library. NOVA phased out.

GENERAL DESCRIPTION, MAIN FEATURES:
CIRCUS is used to circulate 140,000 books in the undergraduate collection and approximately 300,000 books in the research collection. Books and borrowers are identified by bar coded labels. Loan periods depend on collection and borrower class and privileges. There are currently about 35,000 borrowers. Transactions include charge, discharge, renew, amend date due, reader lost, reserve/cancel reservation, block and de-block borrower for various reasons. Terminals consist of bar code readers attached to VDUs.

PRODUCER:
Name: Systems Office, Fisher Library
Address: University of Sydney, N.S.W. 2060, AUSTRALIA
Telephone: 6923379

For additional information contact:
Name: Stewart McKendrick
Title: Systems Analyst
Firm/Institution: Systems Office, Fisher Library
Address: University of Sydney, N.S.W. 2060, AUSTRALIA
Telephone: 6923379

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Data General, ECLIPSE C150.

Memory size: 768KB
Disk drives: 190MB 2 Units
Tape drives: 1
Terminals: 7
Printers: 1

Other peripheral equipment: Bar code printer.

III. SOFTWARE - OPERATING SYSTEM

Name: AOS

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Record Management System (RMS): Relative direct access
Others: Sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed
Maximum record length: 128 bytes
Maximum number of records: 30,000 loans

The system's command language is: English

Batch operations.
Online operations; Number of terminals: Currently, seven.

Type of system capability: multiple file.

Data entry and revision functions: Insert new text, Change text, Delete text, Insert text from external files.

Features of query language: Field-based search.

Search functions: Show results on screen, Print results.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies, Blocking of borrowers holding overdue books.

Documentation: Available in English; Operations manual.

User can add application programs.
System is available in, Australia.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $10,001 - $50,000
Price range of hardware: $50,001 - $100,000

Number of installations: 3
*Locations: University of Sydney, N.S.W. Institute of Technology, Kuringai College of Advanced Education.

I. GENERAL FEATURES

SYSTEM NAME: Cyber Information Retrieval System

Acronym: CIRS

BACKGROUND and PRIMARY OBJECTIVES:
Developed to provide highly efficient document retrieval by keyword for army intelligence. Lately generalized for commercial applications such as scientific abstracts search and programming system data dictionary. Primary objective is efficient and fast online query of a (possibly very large) document set.

GENERAL DESCRIPTION, MAIN FEATURES:
Main purpose is to support interactive queries of a large document set, by keywords and/or document attributes. Keywords are queried in context and may be required to be in the same sentence or 1-9 words apart. Complex Boolean conditions are supported. Several document types can be supported in the same data base and cross-relations are definable. Automatic keyword extraction from free text is supported. Keyword hierarchies and synonyms are supported. Hebrew/English and mixed modes supported.

PRODUCER:
Name: Control Data (Israel) Ltd.
Address: 43 Brodezky, Tel Aviv 69052, ISRAEL
Telephone: 03-422311
Telex: 33428

For additional information contact:
Name: A. Anner
Title: Consultant, Professional Services
Firm/Institution: Control Data (Israel) Ltd.
Address: 43 Brodezky, Tel Aviv 69052, ISRAEL
Telephone: 03-422394
Telex: 33428

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: Control Data Corp., CDC 6XOO, CYBER 170.

Memory size: 65000 Words (60-6M) - 2M Words
Disk drives: 200MCR.(1 Unit) - 635 MCR.(350 Units)
Tape drives: Max. 240
Terminals: 1 - 500+
Printers: Max. 100

Other peripheral equipment: Communication front ends, at least 1.

III. SOFTWARE - OPERATING SYSTEM

Name: NOS/BE & NOS

Others: Hashed key direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 7000 CR., can be increased
Maximum number of records: 4,000,000; can be increased, per data bas
Maximum number of fields/record: 64; can be increased

The system's command language is: English and Hebrew. As required, needs implementation

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: Over 500 on high-end main frames.

Type of system capability: multiple file, single file search, networks and communication.

Data entry and revision functions:, Under definition, will include most of above.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Cross relations between document types, Sorting documents.

Search functions: Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Language driven print & display generator.

Documentation: Available in English and (some) Hebrew; Reference manual, Operations manual, User guide.

Special applications: Programming system data dictionary.

User can add application programs.
System is available in, Support base is Israel.

Warranty: Negotiable.

System update and/or maintenance is available.

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V. COST, INSTALLATION

Price range of software:
*Source Code: $10,001 - $50,000
Price range of hardware: More than $100,000

Number of installations: 5
*Locations: Control Data Cybernet Center, 43 Brodezky St. Tel Aviv, Israel. Others confidential.

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I. GENERAL FEATURES

SYSTEM NAME: Computerized Library Acquisitions System

Acronym: CLAS

Version: Dec. 4, 81 Release date: July 79

BACKGROUND and PRIMARY OBJECTIVES:
CLAS is a complete acquisitions software package that enables a library to maintain full online control of book purchases. It is suitable for libraries receiving up to 10,000 books per year. Since its introduction in 1979, over 130 libraries (academic, public, and special) around the world have acquired the system.

GENERAL DESCRIPTION, MAIN FEATURES:
The CLAS programs are written in BASIC for the DEC VAX computer. Its functions include the automatic prevention of inadvertent duplication, instantaneous fund accounting, printing of purchase orders, receiving and cancelling computer orders or partial shipments, searching the order file through several access points, and the production of administrative reports.

PRODUCER:
Name: Lukac Data Systems
Address: 4076 S.E. Hemlock St., Hillsboro, OR 97123, U.S.A.
Telephone: 503-640-3368; 503-357-7179

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: VAX 11/780; it has been implemented by users on a variety of computers.

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., VAX 11/780.

Memory size: Need about 350 bytes per record stored
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: VMS
Others: Sequential

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: determined at system implementation time. Average is 350 characters
Maximum number of records: 10,000 (recommended)

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The system's command language is: English, All languages using Latin alphabet

Online operations; Number of terminals: 1.

Type of system capability: single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Full-text search.

Search functions: Show results on screen, Print results.

Print generator: Statistics, Forms.

Acquisition functions: Preliminary search, Document creation, Budget control, Administrative reports.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000
Special terms for developing countries: Same as for USA. The price of U.S. $245 includes source code and documentation in printed form and on magnetic tape, and air mail postage

Number of installations: 130
*Locations: USA, Canada, U.K., Israel, India. Lewis & Clark College Library, Portland OR 97219.

CLWSOFT (*)

I. GENERAL FEATURES

SYSTEM NAME: CLWSOFT

Acronym: CLWSOFT (*)

release date: Aug. 82

BACKGROUND and PRIMARY OBJECTIVES:
History: Feb. 1981 - Project commissioned. Sept. 1981 - File and code well under way. July/August 1982 - System running. Objectives: 1) To maintain files of detailed records representing computer software held by the College for teaching purposes. 2) To produce and update a printed index of these holdings for internal use. Generally to provide access for teaching staff to computer software.

GENERAL DESCRIPTION, MAIN FEATURES:
Create, edit, delete detailed records relating to computer software, and see references. The system produces a printed index at intervals for College staff consisting of four sequences: Program name, subject, physical location and full records, which are incorporated in the college computer user's manual. The index is supported by hard copy documentation for each item of software.

PRODUCER:
Name: College of Librarianship, Wales
Address: Llanbadarn Fawr, Aberystwyth, Dyfed, Wales, UNITED KINGDOM
Telephone: (Aberystwyth) 3181

For additional information contact:
Name: Stephen Bordwell
Title: Software Coordinator
Firm/Institution: College of Librarianship, Wales
Address: Llanbadarn Fawr, Aberystwyth, Dyfed, Wales, UNITED KINGDOM
Telephone: (Aberystwyth) 3181

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: 380Z Research Machine Ltd. and on a micro-computer using 280 processor compiler Basic (CBAS2), and the CP/M operating system.

The software package is implementable on a micro computer.
Configuration: Research Machines Ltd., 380Z.

Disk drives: 500 Bytes/drive X 2 drives = 1MB
Terminals: 1
Printers: 1

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III. SOFTWARE - OPERATING SYSTEM
Name: CP/M
Record Management System (RMS): Index sequential, Relative direct access
Others: Sequential, for printed index production
Utilities: Sort, Use of RML sort package QSORT + QPARM.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: logical records of 380 bytes
Maximum number of records: C.900 in theory
Maximum number of fields/record: 14

The system's command language is: English

Batch operations.
Online operations; Number of terminals: 1.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Cancel latest revisions.

Print generator: Sort, Indexing, Forms.

Catalog functions: Create, Remove, Print catalogs, Correct, Add.

Documentation: Available in English; User guide.

User can add application programs.
System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: No charge *Object Code: No charge
Conditions (for source code): To nonprofit bodies, or by negotiation.
Price range of hardware: Up to $5,000

Special terms for developing countries: Freely available

Number of installations: 1
*Locations: College of Librarianship Wales.

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I. GENERAL FEATURES

SYSTEM NAME: Collogia Data Entry for Information Retrieval Systems

Acronym: COLPEP

BACKGROUND and PRIMARY OBJECTIVES:
Data entry package for information retrieval systems.

GENERAL DESCRIPTION, MAIN FEATURES:
The system contains a generator for data entry formats. Main features: Full screen editing, variable screen formats and masks; Variable length of input fields; Insert, modify and delete functions; SNOBOL-like text checking and validation; Direct access to all documents and all system functions at any time.

PRODUCER:
Name: Collogia Unternehmensberatung GmbH
Address: Alteburger Str. 11, Koeln 1 D-5000, FEDERAL REPUBLIC OF GERMANY
Telephone: 0221-312288

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Nixdorf Computer, NIXDORF 8860/6.

Memory size: 20KB - 30KB
Disk drives: 1 Disk or Floppy Disk
Terminals: 1 - Depending on configuration
Printers: Optional for printouts

Record Management System (RMS): Relative direct access
Others: System contains specialized RMS

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 32K
Maximum number of records: disk capacity
Maximum number of fields/record: 100

The system's command language is: Interactive system support, no other languages available.

Online operations; Number of terminals: About 6 - 10.

Type of system capability: multiple file, simultaneous file search.

Data entry and revision functions: Insert new text, Data

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validation, Change text, Delete text, Full screen edit, Move text, Copy text.

Features of query language: Field-based search, Document identification.

Search functions: Postings, Show results on screen, Print results.

Print generator: Editing a format.

Acquisition functions: Document creation, Skip (in create prompt mode), Displaying the document.

Documentation: Available in German; Systems manual, Operations manual, User guide.

System is available in Europe.

Warranty: 6.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: Up to $5,000
Price range of hardware: $10,001 - $50,000

Number of installations: 18
*Locations: Several documentation centers in Germany.

I. GENERAL FEATURES

SYSTEM NAME: Computer-Assisted Information system

Acronym: COMPAIS IIA

Version: 3 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
COMPAIS II-A handles different types of records in its information storage, retrieval and services module; it also supports automation of library/information center operations, such as circulation control, document acquisition, production of union catalogues, directories, authority lists, etc., and report generation for library management. Now operational, COMPAIS developed out of a felt need to provide the trainees in an information science course at the University of the Philippines Institute of Library Science, practical hands-on experience in the designing, development and operation of computer-based information systems, utilizing the accessible computer facilities. Therefore, the system is essentially the product of a collaborative effort of the group of trainees with the guidance and assistance of computer personnel; and the system now provides for the teaching, demonstration and hands-on experience of various aspects of computer applications in information processing and library operations.

GENERAL DESCRIPTION, MAIN FEATURES:
A computerized online interactive information storage and retrieval system that supports automation of library operations such as circulation control, serials control, documents acquisition, SDI, and production of union catalogues and authority lists, is briefly described. The data base consists of a Master File (MF) of resource records, Encoding and Decoding Dictionaries, and Inverted Files. The MF consists of four subfiles: Document descriptions, Institution profiles, Ongoing research projects descriptions, and Specialists profiles. Fixed and variable fields are used. Similar data elements in different subfiles are assigned the same page. Updating of files includes addition/deletion of whole records, addition/deletion of fields, and changing the value of a field. Simultaneous access to one or more files and subfiles. Handles complex search expressions containing one or more Boolean operators and other relations. All data elements in the MF are accessible; frequently searched elements are inverted. Accepts input query with or without specification of field tag. A special coding scheme for national and international organizations facilitates standardization of names, corporate bodies and hierarchical retrieval by code components. Choice from among four output/display formats for each subfile provided for. The action programs are in COBOL and the IMS/90 software package interfaces with the UNIVAC

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computer on which the system is implemented.

PRODUCER:
Name: Institute of Library Science, University of the Philippines
Address:, Diliman, Quezon City, PHILIPPINES
Telephone: 97-60-61 Ect 249

For additional information contact:
Name: Dr. Ursula G. Picache
Title: Dean
Firm/Institution: Institute of Library Science, University of the Philippines
Address:, Diliman, Quezon City, PHILIPPINES
Telephone: 97-60-61 Ect 249

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: Sperry Univac mini and mainframe computers. UNIVAC 90/30, 1100/20 and 1100/60.

The software package is implementable on a mainframe computer. Configuration: Sperry Univac, UNIVAC 90/30.

Memory size: 128K - 200K
Disk drives: 1
Tape drives: 1
Terminals: 3
Printers: 1

Other peripheral equipment: COMPAIS modules now being implemented on micro-computers Heathkit WH-11 and Z-80 using CP/M operating system.

III. SOFTWARE - OPERATING SYSTEM

Name: IMS/90
Record Management System (RMS): Index sequential
Utilities: Sort, Univac vendor supplied utilities.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: variable according to hardware facility (currently 640 to 2500 characters)
Maximum number of records: Variable according to hardware facility
Maximum number of fields/record: Minimum 20; maximum 65 excluding subfields

The system's command language is: English, no other languages available.

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 3.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Cancel latest revisions, Move text, Copy text, Review query at different stages.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full-text search, Nesting of instructions, Alternative query languages, Query in user familar terms.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query, Display directory of resources e.g. data base files, functions, commands, etc.

Print generator: Sort, Decode, KWIC-KWOC, Indexing, Forms, Editing a format, Word processing.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies, Budget control.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Reserving an item, Multiple copies.

Documentation: Available in English; Systems manual, Reference manual, Operations manual, User guide, AV aids, CAI for certain modules.

Special applications: Antibiotics Properties Information System. Company Information System.

User can add application programs.
System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:

No charge except cost of magtape for copying source and object codes. Cost of copying the manuals and postage/trasportation (about $200).
*Locations: Software and manuals made available to some institutions: China, India, Indonesia, Singapore, Thailand, Malaysia, Philippines.

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I. GENERAL FEATURES
SYSTEM NAME: CORTEX

Acronym: CORTEX (*)

Version: 5 Release date: March 83

BACKGROUND and PRIMARY OBJECTIVES:
CORTEX has been designed to manipulate bibliographic text, particularly when held in the MARC format used in automated cataloguing systems. It provides an enhanced method of working with the BLAISE-LOCAS cataloguing system and connecting to the BLAISE-LINE online service.

GENERAL DESCRIPTION, MAIN FEATURES:
CORTEX supports: Teletype emulation; Storing of simple searches to be run online; Recording of data found online to floppy disc; Data editing; Data entry; Transmission of data to the BLAISE-LINE online service

PRODUCER:
Name: British Library, Bibliographic Services Division
Address: 2 Sheraton St., London W1V 4BH, UNITED KINGDOM
Telephone: 01-636-1544

For additional information contact:
Name: Patricia Chapnian
Title: Manager, Local Systems
Firm/Institution: British Library, Bibliographic Services Division
Address: 2 Sheraton St., London W1V 4BH, UNITED KINGDOM
Telephone: 01-636-1544

II. HARDWARE REQUIREMENTS
The software package is implementable on a micro computer.
Configuration: Zygal Dynamics, ZENTEC ZMS-70.

Memory size: 218K
Disk drives: 560K 2 units
Printers: 1

III. SOFTWARE - OPERATING SYSTEM
Name: CP/M
Compilers: Assembler, Intel 8080, Intel 8086

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum number of records: N/A
Maximum number of fields/record: N/A

The system's command language is: English, no other languages available.

Type of system capability: single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Insert text from external files, Move text, Copy text, Prompts; Storing a block of data in memory for recall anywhere in text; Functions carried out with single keystroke.

Print generator: Can print - whole files; Depend block held in memory; Screen image; Print whilst keying.

Catalog functions: Create, Add.

Documentation: Available in English; Reference manual, Turnkey system.

System is available in, UK and EIRE only.

Warranty: Leased only - support provided.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: Up to $5,000
Price range of hardware: Up to $5,000

Number of installations: 18

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I. GENERAL FEATURES

SYSTEM NAME: COSTI SDI

Acronym: COSTI-SDI

BACKGROUND and PRIMARY OBJECTIVES:
Since 1970 the Israeli National Center of Scientific and Technological Information (COSTI) has provided a computerized SDI service to academic research and industrial users in Israel. The system's uniqueness is that it is run on a mini computer (a PDP 11/70). Seven data bases are offered: CAS, EIX, INSPEC, NTIS, BIOSIS, ISI, AGRIS. Current editions of the data base tapes are run against personal profiles in order to retrieve items of interest to individual clients.

GENERAL DESCRIPTION, MAIN FEATURES:
The system's software must serve three main functions: 1) Getting acquired data base (usually magnetic tapes) into COSTI formats against which user profiles can be run. 2) Running the user profiles established in a data base against the current edition of the data base for selection of matching documents. 3) Printing of appropriate documents for distribution to clients. Entry of profile data is carried out via the profile update module, which also permits revision of an existing profile. This module has a command language and is operated online.

PRODUCER:
Name: National Center of Scientific and Technological Information
Address: P.O.B. 20125, Tel-Aviv 61201, ISRAEL
Telephone: 03-297781
Telex: 03-2332
Cable: COSTI

For additional information contact:
Name: Irina Sered
Title: Head department of systems development
Firm/Institution: National Center of Scientific and Technological Information
Address: P.O.B. 20125, Tel-Aviv 61201, ISRAEL
Telephone: 03-297781
Telex: 03-2332
Cable: COSTI

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11/24, PDP 11/34, PDP 11/44, PDP 11/70.

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Memory size: 64KW - unlimited
Disk drives: 80MB 1 unit - unlimited
Tape drives: 1
Terminals: 1 - 12
Printers: 1

III. SOFTWARE - OPERATING SYSTEM
Name: RSX 11M, IAS
Record Management System (RMS): Index sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: unlimited
Maximum number of records: 24,000
Maximum number of fields/record: unlimited

The system's command language is: English

Batch operations.
Online operations; Number of terminals: 24, available only for the Profile Update Module.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Copy text.

Features of query language: Boolean operators, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search, Nesting of instructions.

Search functions: Postings, Print results, Save query, Revise query, Return query.

Print generator: Forms.

Documentation: Available in English; User guide.

User can add application programs.
System is available without geographic limitations.
Warranty: 6 months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $50,001 - $100,000 *Object Code: $10,001 - $50.000
Price range of hardware: $10,001 - $50,000

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I. GENERAL FEATURES

SYSTEM NAME: Costi Library Management

Acronym: COSTILIB

BACKGROUND and PRIMARY OBJECTIVES:
A package developed in 1976 on IBM 370 for library management in batch. In 1978 the package was transfered to PDP 11/70 and the inputting and updating functions were made online. Cataloguing is still done in batch.

GENERAL DESCRIPTION, MAIN FEATURES:
COSTILIB has two parts. The first is an online inputting and updating facility and the second part is a batch creation of different catalogues (by author, title, subjects, etc.). There are routines for creating acquisition lists and withdrawals list for distribution among other libraries.

PRODUCER:
Name: National Center of Scientific and Technological Information
Address: P.O.B. 20125, Tel-Aviv 61201, ISRAEL
Telephone: 03-297781
Telex: 03-2332
Cable: COSTI

For additional information contact:
Name: Nurit Goldenberg
Title: System Analyst
Firm/Institution. National Center of Scientific and Technological Information
Address: P.O.B. 20125, Tel-Aviv 61201, ISRAEL
Telephone: 03-297781
Telex: 03-2332
Cable: COSTI

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11/70.

Memory size: 64KW - unlimited
Disk drives: 10MB 1 unit - unlimited
Terminals: 1 - 12
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: IAS
Record Management System (RMS): Index sequential
Utilities: Sort.

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IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: fixed
Maximum record length: 128 (each logical record is built of up to 10 physical records of 128 bytes)
Maximum number of records: No limit

Batch operations.
Online operations; Number of terminals: 24, available only for data entry.

Type of system capability: single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text.

Acquisition functions:, Print acquisition list.

Catalog functions: Print catalogs.

There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $5,001 - $10,000
Price range of hardware: $10,001 - $50,000

*Locations: In-house.

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I. GENERAL FEATURES

SYSTEM NAME: Cambridge Crystallographic Data base of Organics and Organometallics as implemented in Canada by the National Research Council of Canada

Acronym: CRYSTOR/CRISTALOR

Version: 1 Release date: Nov. 81

BACKGROUND and PRIMARY OBJECTIVES:
CRISTOR/CRISTALOR searches, retrieves, and manipulates both numeric and bibliographic information from the Cambridge Crystallographic Data base, a comprehensive collection of X-ray and neutron diffraction structures of organic and organometallic compounds.

GENERAL DESCRIPTION, MAIN FEATURES:
CRYSTOR/CRISTALOR searches and retrieves from bibliographic, connectivity and numeric data files on the basis of chemical information input. Computations of the molecular structures may be displayed.

PRODUCER:
Name: Canada Institute for Scientific and Technical Information
Address: Montreal Road, Ottawa, Ontario K1A 0S2, CANADA
Telephone: 613-993-3294
Telex: 053-3115

For additional information contact:
Name: Dr. Gordon H. Wood
Title: Manager, Scientific Numeric Data bases
Firm/Institution: Canada Institute for Scientific and Technical Information
Address: Montreal Road, Ottawa, Ontario K1A 0S2, CANADA
Telephone: 613-993-3294
Telex: 053-3115

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 3033.

Memory size: 250KB - 250KB
Disk drives: 200MB 1 unit - 200MB 1 unit
Terminals: 1 - 1
Printers: 1 - 1

Other peripheral equipment: Graphics terminal (e.g. Hewlett Packard 2648) or plotter (e.g. Nicolet Zeta drum plotter).

III. SOFTWARE - OPERATING SYSTEM

Name: Time Sharing System. TSS
Compilers: Fortran, SNOBOL4

Record Management System (RMS): Index sequential, Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 12,000
Maximum number of records: N/A
Maximum number of fields/record: N/A

The system's command language is: CRYSTOR - English; CRISTALOR - French, no other languages available.

Batch operations.
Online operations; Number of terminals: 60.

Type of system capability: single file search, networks and communication.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Nesting of instructions.

Search functions: Show results on screen, Print results, Save query, Revise query, Return query.

Documentation: Available in English, French; Systems manual, User guide.

Special applications: Connectivity searches, i.e. search by 2D representation chemical structure.

User can add application programs.
System is available in, Canada.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software :
Special terms for developing countries: None

Number of installations: 1
*Locations: Computation Centre, National Research Council of Canada, Montreal Road, Ottawa, Ontario, Canada.

I. GENERAL FEATURES

SYSTEM NAME: Document Archivering, Retrieval, Invoer en Uitvoer Systeem

Acronym: DARIUS

Version: 1 Release date: Jan. 81

BACKGROUND and PRIMARY OBJECTIVES:
DARIUS is a further perfection of a previously developed system called PINEUT. The primary objectives of PINEUT (Project Inventory Eusidic Type) were the automation of a printed catalogue on the current scientific research in the Netherlands. DARIUS is a general purpose system in the information field.

GENERAL DESCRIPTION, MAIN FEATURES:
DARIUS is a highly generalized data base system for text processing with graphic character representation capacity and output interfacing to phototypesetting machines. The system offers powerful data entry and retrieval facilities. Its main application is as a keeper of descriptive records, like bibliography or research inventories.

PRODUCER:
Name: Institute TNO for Mathematics, Information Processing and Statistics (IWIS-TNO)
Address: Koningin Marialaan 21, P.O.B. 247 2501 BD, The Hague, NETHERLANDS
Telephone: 070-82-41-61

For additional information contact:
Name: T. De Heer
Title: Head Informatics Department
Firm/Institution: IWIS TNO
Address: Koningen Marialaan 21, P.O.B. 247 2501 BD, The Hague, NETHERLANDS
Telephone: 070-82-41-61

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: Control Data Corp., CYBER 72.

Memory size: 320KB - 480KB
Disk drives: 100MB - 900MB
Tape drives: 1 - 8
Terminals: 1 - 640
Printers: 1 - 4

Other peripheral equipment: Offline photocomposition device LINOTRON.

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III. SOFTWARE - OPERATING SYSTEM
Name: NOS/BE
Record Management System (RMS): Index sequential
Utilities: Operation support system (PINDA). Interface to phototypesetting machine LINOTRON.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, graphic
Record length: variable
Maximum record length: 5000 bytes
Maximum number of records: unlimited
Maximum number of fields/record: 150

The system's command language is: English, Dutch, no other languages available.

Batch operations.
Online operations.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Search-term truncation, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Show results on screen, Print results, Save query. Revise query, Return query.

Print generator: Sort, Statistics, Indexing, Forms, Editing a format.

Documentation: Available in Dutch; Systems manual, Reference manual, Operations manual, User guide.

Special applications: Marketing data base.

System is available without geographic limitations.
System update and/or maintenance is available.

****

V. COST, INSTALLATION

Price range of software:
*Source Code: $10,001 - $50,000 *Object Code: $5,001 - $10,000
Price range of hardware: More than $100,000

Special terms for developing countries: Source up to $5,000, Object code no charge

Number of installations: 1
*Locations: In-house.

I. GENERAL FEATURES

SYSTEM NAME: Data Receiver and System Development for portable terminals for Library Circulation control

Acronym: DATA RECEIVER (*)

Version: 2.1 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
The aim was to create a system which could provide several support functions for the portable terminals. The system had to be able to perform the following tasks: -Data receiver for data transmission by the remote terminals. -Program development system. -Program downloading system and program band for P.T. The system can work under any CP/M based micro computer.

GENERAL DESCRIPTION, MAIN FEATURES:
The system is composed of a microcomputer, one eprom programmer and a printer. It can be used as data receiver, development system and program transfer. Data Receiver: almost all of the asynchronous and many of the synchronous protocols can be created for data transmission from/to other devices and statistics of every transmission are saved in a special file; moreover utilities are supported for deletions, updating, ... Dev.sys: It is possible to create programs for other microprocessors using the macro cross-assembler (1802, 6502,...) and debug them. Prog. trans: The programs to be created (in intel hex format) can be put into the device by using the eprom programmer or the downloading protocols available.

PRODUCER:
Name: TMC s.r.l.
Address: Via Sabotino 14, Bologna 40137, ITALY
Telephone: 51-436975
Telex: 214662

For additional information contact:
Name: Aldo Franzioni
Title: System Analyst
Firm/Institution: TMC s.r.l.
Address: Via Sabotino 14, Bologna 40137, ITALY
Telephone: 51-436975
Telex: 214662

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: Panasonic JD-8000, JD-840, JD-850 and on any with CP/M operating system.

The software package is implementable on a micro computer. Configuration: Matsusmita, Panasonic JD-8000, Panasonic JD-840, Panasonic JD-850.

Memory size: 56K - 56K
Disk drives: 2 disk drive 256KB 1 unit - 2 disk drive 1.2M 1 unit
Printers: 1 - 1

Other peripheral equipment: eprom programmer.

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M
Compilers: Assembler, Basic, cross-assembler with macro structure for 1802,6502, 8085, Z80
Utilities: Sort, edit, usual CP/M utility library.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 256
Maximum number of records: N/A
Maximum number of fields/record: N/A

The system's command language is: Italian, English, German

Batch operations.
Type of system capability: networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Field-based search, Full-text search.

Search functions: Show results on screen.

Print generator: Statistics.

Documentation: Available in English; Utilities manual, Operations manual, User guide.

User can add application programs.
System is available without geographic limitations.

Warranty: 12 months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: Up to $5,000
Price range of hardware: $5,001 - $10,000

Number of installations: 7
*Locations: Italy; Kraft + others.

I. GENERAL FEATURES

SYSTEM NAME: DECO

Acronym: DECO

Version: 4.0 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
Development in conjunction with Unilever research to provide general document storage and retrieval. Original version in production use since January 1979.

GENERAL DESCRIPTION, MAIN FEATURES:
Deco provides online searching and offline index production. Searching may be inverted index or string searching. Logical combinations may be formed. Documents may be sorted. Macros can be created and executed. Considerable flexibility exists for users to specify keyword extraction, display formats and sort definitions.

PRODUCER:
Name: Unilever Computer Services Ltd.
Address: 5 St Johns Lane, London EC1M 4BH, UNITED KINGDOM
Telephone: 01-250-1500
Telex: 8951680

For additional information contact:
Name: Rob Thomasson
Title: Product Manager
Firm/Institution: Unilever Computer Services Ltd.
Address: 5 St Johns Lane, London EC1M 4BH, UNITED KINGDOM
Telephone: 01-250-1500
Telex: 8951680

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 370/158 and any IBM computer under CMS, Harris and Prime range, DEC VAX and PDP all models.

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370/158.

Memory size: 240K
Disk drives: 200MB 1 Unit
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: OS MFT or VM CMS
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 8000ch
Maximum number of fields/record: 254

The system's command language is: English, no other languages available.

Thesaurus maintenance.
Batch operations.
Online operations.

Type of system capability: multiple file, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query.

Print generator: Sort, KWIC-KWOC, Indexing, Forms, Editing a format.

Documentation: Available in English; Reference manual, Operations manual, User guide.

User can add application programs.
System is available in North America, Asia, Europe, Oceania.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software :
Conditions (for source code): On application, (for object code): On application.
Price range of hardware: More than $100,000

Number of installations: 6

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*Locations: Unilever Computer Services Ltd., P.O.B. 110, Watford, Herts, UK; Unilever Research, Colworth Laboratory, UK; Vlaardingen Laboratory, Netherlands.

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I. GENERAL FEATURES
SYSTEM NAME: Dechema Thermophysical Property Data Base
Substance Data Retrieval System

Acronym: DETHERM-SDR

Version: 1.1 Release date: Oct. 80

PRODUCER:
Name: Dechema
Address: Theodor-Heuss-Allee 25, D-6000 Frankfurt 97, FEDERAL REPUBLIC OF GERMANY
Telephone: +611-7564-D

For additional information contact:
Name: Dr. H. Langer
Firm/Institution: Dechema
Address: Theodor-Heuss-Allee 25, D-6000 Frankfurt 97, FEDERAL REPUBLIC OF GERMANY
Telephone: +611-7564-245

II. HARDWARE REQUIREMENTS
The software package is implementable on a mainframe computer.
Configuration:, 7760, Siemens.

Memory size: 1MB
Disk drives: 50MB 1 unit
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM
Name: BS2000
Record Management System (RMS): Index sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: fixed
Maximum record length: 2048 bytes
Maximum number of records: indefinite
Maximum number of fields/record: 1

The system's command language is: English, no other languages available.

Online operations; Number of terminals: Depending on computer system.

Type of system capability: multiple file.

****

Features of query language: Boolean operators, Numerical search, Nesting of instructions.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Return query.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide.

System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $10,001 - $50,000
Number of installations: 1

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I. GENERAL FEATURES
SYSTEM NAME: DEVELOP Data Base

Acronym: DEVELOP DB (*)

Version: 4 Release date: 82

BACKGROUND and PRIMARY OBJECTIVES:
The DEVELOP Data Base is supported by a software package developed by Control Data in 1975 to support a technology transfer data bank. Since then, the program has been enhanced and applied to a wide variety of internal (Control Data) data bases. Primary functions of DEVELOP data base are to support interactive, controlled vocabulary information retrieval; electronic mail; storage of substantial units of information (rather than bibliographic citations).

GENERAL DESCRIPTION, MAIN FEATURES:
The DEVELOP Data Base is a non-bibliographic information retrieval system containing over 13,500 entries about technologies for developing economies, electronic mail/teleconference capabilities. Searches may be executed using Boolean logic or maximum intersection (retrieval in order of relevance). Search terms may be truncated. Search results can be retrieved online or written to a file. User may select to see parts of records in any order. Records may be added, changed or removed interactively or in batch. Update can be instantaneous even during usage. Prestored searches. Guided search with menu selection.

PRODUCER:
Name: Control Data Corporation
Address: 8100 34th Avenue South, P.O.B. 0, Minneapolis, MN 55440, U.S.A.
Telephone: 612-853-7942

For additional information contact:
Name: Janet Myers
Title: Data Base Administrator
Firm/Institution: Control Data Corporation; International Development Services
Address: 8100 34th Avenue South, P.O.B. 0, Minneapolis, MN 55440, U.S.A.
Telephone: 612-853-7942

II. HARDWARE REQUIREMENTS
The software package is implementable on a mainframe computer.
Configuration: Control Data Corp., CYBER, All models.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: 6400 characters
Maximum number of records: None
Maximum number of fields/record: 5

The system's command language is: English, no other languages available.

Thesaurus maintenance.
Batch operations.
Online operations.

Type of system capability: single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Cancel latest revisions, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query.

Print generator: Indexing.

Documentation: Available in English; User guide.

System is available in North America, Online service available worldwide.

There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software :
Conditions : The DEVELOP Data Base is only
available on Control Data's timesharing network.

I. GENERAL FEATURES

SYSTEM NAME: Dialog Simulation

Acronym: DIALOG SIMULAT (*)

release date: 81

BACKGROUND and PRIMARY OBJECTIVES:
DIALOG SIMULATION is a self-teaching program for showing the use of the Lockheed Dialog online information retrieval service. The Program is designed for inexperienced users such as students of library science to acquaint them with some of the more important features of the Lockheed Dialog system. Programs have been rewritten for Apple microcomputer.

GENERAL DESCRIPTION, MAIN FEATURES:
DIALOG SIMULATION features a self teaching program showing use of the Lockheed Dialog system as it "Talks" the user through five different searches taken from various files. Three search programs may be selected by the user. Outline of the programs are: Dialog - Introductory explanations. Part 1 - Subject and author searches. Part 2 - Selection of related terms in alphabetical index and online thesaurus. Part 3 - Truncation of search terms and stacking of commands.

PRODUCER:
Name: Manchester Polytechnic, Department of Library & Informtion Studies
Address: Lower Ormond Street, Manchester M15 6BX, UNITED KINGDOM
Telephone: 061-228-6171

For additional information contact:
Name: J. F. Farrow or A. J. Wood
Firm/Institution: Manchester Polytechnic, Department of Library & Information Studies
Address: Lower Ormond Street, Manchester M15 6BX, UNITED KINGDOM
Telephone: 061-228-6171

II. HARDWARE REQUIREMENTS

The software package is implementable on a micro computer.
Configuration: Apple Computer Inc., Model II.

Memory size: 32K
Disk drives: 1 X 5 1/4

III. SOFTWARE - OPERATING SYSTEM

Name. DOS 3.3 or 3.2.1

IV. SOFTWARE APPLICATION SYSTEM

The system's command language is: English, no other languages available.

Type of system capability:.

Documentation: Available in English; User guide.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000

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I. GENERAL FEATURES

SYSTEM NAME: Display Inquiry System Online

Acronym: DISO

Version: 7 Release date: Aug. 81

BACKGROUND and PRIMARY OBJECTIVES:
DISO has been set up in ISO Central Secretariat, EDP Dept., in order to provide an easy and quick answer to most of the questions that can be inquired from an Engineer or a Visitor (in our Information Center) related to ISO International Standards registered, drafted or published, and maintained in EDP Department.

GENERAL DESCRIPTION, MAIN FEATURES:
The main file 'Standards' contains 10,000 records (each 610 bytes length). An inverted file of 75,000 records is created daily (each 192 bytes length) (20 minutes) relating to the end-of-the-day status "Standards" . The main effort is on reliability and particularly on the rapidity of the information given, taking into account that 'Standard' is shared by many applications during the day. The average answer time, depending on the number of standards fitting with the selected criteria, range from instantaneous to less than one minute. Every answer can be listed if needed, with its related selection criteria, date and time.

PRODUCER:
Name: International Organization for Standardization - ISO
Address: Varembe 1, Geneva CH 1211 Geneva 20, SWITZERLAND
Telephone: 34-12-40
Telex: 23887

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration. IBM, IBM 34.

Memory size: 128KB
Disk drives: 128MB 1 unit
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: SSP
Compilers:, RPG II
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

****

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: no limitation
Maximum number of records: No limitation
Maximum number of fields/record: No limitation

The system's command language is: OCL, no other languages available.

Batch operations.
Online operations; Number of terminals: 11.

Type of system capability: single file search.

Data entry and revision functions:, None.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Combinational search.

Search functions: Show results on screen, Print results.

Print generator: Forms, Editing a format.

Documentation: Available in English; Operations manual.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000
Price range of hardware: $50,001 - $100,000

Special terms for developing countries: None

Number of installations: 1
*Locations: In-house.

****

I. GENERAL FEATURES

SYSTEM NAME: Data Manipulation Language interface for CDS/ISIS data bases

Acronym: DML

Version: 1.0 Release date: Nov. 82

BACKGROUND and PRIMARY OBJECTIVES:
In the late 1970's during the work on specialized (non-bibliographic) information systems it became clear to us at ISTEI that it is not economically feasible (if possible at all) to build into a standard general-purpose program package all functions and features needed by potential non-standard applications. We decided instead to design an interface which, on the one hand, will link a high-level language programmer with all the facilities of the data base of the information retrieval system, and on the other hand will separate application-oriented, specific tasks from general functions of efficiency and flexibility of access to the data base. The latter task could then be performed by highly specialized staff only once for a given data base management system; the former could **be** easily and quickly performed for each application by programmers oriented towards application and with only limited knowledge of a high-level programming language.

GENERAL DESCRIPTION, MAIN FEATURES:
The system has the following main functions: DML consists of three main operators : ANSWER which gives as a result a set of records relevant to the query expressed in extended CDS/ISIS query language including Boolean logic, parenthesis, references to answers to previous queries, right truncation of alphanumeric values, range specifications of numeric values etc., MASK which allows "filtering" a given set of records according to conditions expressed in host language, FIELD which supplies a host language program with the value of a field extracted from the data base, within the answer **to** a query defined previously. In addition, there exists a family of string-processing routines which can operate over any character string giving the same results as data internal indexing techniques, and some technical operators such as OPEN, CLOSE and FIELD PARAMETERS. Implementation of DML for CDS/ISIS data bases allows for simultaneous processing of multiple data bases and has built-in protection mechanisms operating at data base and field levels.

PRODUCER:
Name: Institute for
Address: Scientific, Technical and Economic Information, Ul. Zurawia 3/5, Warszawa 00-926, POLAND
Telephone: 218066
Telex: 813716 CINT PL

****

VENDOR:
Name: UNESCO - LAD
Address: 7, Place de Fontenoy, Paris 75700, FRANCE
Telephone: 577-1610
Telex: 204461 Paris
Cable: UNESCO PARIS

For additional information contact:
Name: Dr. Henryk Rybinski
Firm/Institution: Institute for Scientific, Technical and Economic Information
Address: Ul. Zurawia 3/5, Warszawa 00-926, POLAND
Telephone: 218066
Telex: 813176 CINT PL

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 360, IBM 370,IBM 303X Amdahl, Itel and Riad.

The software package is implementable on a mainframe computer. Configuration: IBM, IBM 360, IBM 370, IBM 303X.

Memory size: 110KB - depending on application
Disk drives: as required by CDS/ISIS

Other peripheral equipment: As required by CDS/ISIS and application.

III. SOFTWARE - OPERATING SYSTEM

Name: OS/360 Rel. 21.8 and up or compatible
Record Management System (RMS): Index sequential, Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 32,000 characters
Maximum number of records: 16,000,000 records
Maximum number of fields/record: Unlimited within max. record size (system generation parameter)

The system's command language is: English

Batch operations.
Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Full screen edit, Cancel latest revisions, Insert text from external files.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Full-text search.

Documentation: Available in English, Concepts and capabilities (general description), Installation manual.

User can add application programs.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: No charge *Object Code: No charge

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I. GENERAL FEATURES

SYSTEM NAME: Dortmunder On-line Bibliothekssystem

Acronym: DOBIS

Version: 2.2 Release date: Mar. 82

BACKGROUND and PRIMARY OBJECTIVES:
Since 1972: Development of an integrated ADP-system for library processing management. 1976: Circulation. 1978: Offline part of circulation. 1978: Cataloging monograph. 1980: Periodicals. 1982: Full cataloging including multiple volumes.

GENERAL DESCRIPTION, MAIN FEATURES:
On-line system for cataloging and circulation.

PRODUCER:
Name: Universitaetsbibliothek/Hochschulrechenzentrum Dortmund
Address: Postfach 500360, Dortmund 50 D-4600, FEDERAL REPUBLIC OF GERMANY
Telephone: 0231-7551
Telex: 822 445

For additional information contact:
Name: M. Bueren
Firm/Institution: Universitaetsbibliothek
Address: Postfach 500360, Dortmund 50 D-4600, FEDERAL REPUBLIC OF GERMANY
Telephone: 0231-7551
Telex: 822 445

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370/158.

Memory size: 1024
Disk drives: 2 Units 100MB
Terminals: 12
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: OS/VS2 (SVS) 1.7H
Record Management System (RMS): Relative direct access
Others: CICS 1.3
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 1744 bytes

The system's command language is: IBM JCL, no other languages available.

Batch operations.

Online operations; Number of terminals: 24.

Type of system capability: multiple file.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Copy text.

Features of query language: Numerical search, Search-term truncation, Nesting of instructions.

Search functions: Display dictionary, Show results on screen, Print results.

Print generator: Sort, Forms.

Acquisition functions:, N/A.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies, Fines, Search, Reservation deletion.

Documentation: Available in German; Systems manual, User guide.

User can add application programs.
System update and/or maintenance is available.

VI. COST, INSTALLATION

Price range of hardware: More than $100,000

Number of installations: 2
*Locations: Library: University of Dortmund; Library University of Heidelberg, Plock 107-109 D-6900 Heidelberg, Federal Republic of Germany.

I. GENERAL FEATURES

SYSTEM NAME: Dortmund Library System/Leuven Library System

Acronym: DOBIS/LIBIS

BACKGROUND and PRIMARY OBJECTIVES:
DOBIS, developed by the University of Dortmund in Germany, and LIBIS, developed by the University of Leuven in Belgium, together form an easy-to-use, integrated, online library management system. DOBIS/LIBIS includes cataloging, searching, acquisitions, circulation, as well as the production of catalog cards, COM catalogs, periodicals control, full-text search, listings, notices, and statistices required for circulation and acquisitions. The system is designed to be used in university, public, special, and national libraries.

GENERAL DESCRIPTION, MAIN FEATURES:
Online cataloging: Records entered and changed online in realtime, single libraries, branches and networks, MARC compatible, offline MARC loading. Online searching: Ten indexes, simple dialog, permuted authors and titles, abstracts, full text search, Boolean search, public access. Online circulation: Bar-codes, charge-out, check-in, holds, renewals, fine calculation, overdues, trapping, ILL, statistics, recalls, borrower registration. Online acquisitions: Orders, receipts, status, vendors, funds, invoices, claims, exchange rates, credit notes, subscription renewal, deferred orders, statistics. Report writer, Catalogs: Online print specs, dynamic formatting, sorting, catalog cards, COM and printed catalogs, parameter controlled, rich character set. Dialog: Self explanatory, easily translated, command chains, help screens.

PRODUCER:
Name: International Business Machines (IBM)

VENDOR:
Name: IBM
Address: Local IBM Representative

For additional information contact:
Name: DOBIS/LIBIS Center
Firm/Institution: IBM
Address: Vaihingerstrasse 151, 7000 Stuttgart 80, FEDERAL REPUBLIC OF GERMANY

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II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 4321 and on a full range of IBM computers.

The software package is implementable on a mainframe computer. Configuration: IBM, IBM 4321, IBM 370, IBM 4300, IBM 303X, IBM 4331, IBM 4341.

Memory size: 100K
Disk drives: Approximately 30MB for operating system, monitor, online and batch programs
Tape drives: 1
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: DOS/VSE or OS/VS
Others: VSAM
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 2000 byte
Maximum number of records: 2,000,000,000 documents
Maximum number of fields/record: no maximum

The system's command language is: English, French, German, Italian, Dutch; translations into Arabic, Chinese under consideration

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: no limit.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full-text search.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query.

Print generator: Sort, Decode, KWIC-KWOC, Statistics, Forms, Editing a format.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies, Budget control.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in English; Systems manual, Utilities manual, Operations manual, User guide.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Price range of hardware: More than $100,000

Number of installations: 56
*Locations: Universiteitsbibl. K.U. Leuven, Mgr. Ladeuzeplein 21, 3000 Leuven, Belgium; Human Sciences Research Council, Private Bag X41, Pretoria 0001, South-Africa; The Library, University College, Cork, Ireland; Post, Telephone and Telegraph Library, Viktoriastrasse 21, 3030 Bern, Switzerland.

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I. GENERAL FEATURES

SYSTEM NAME: Documentation System

Acronym: DOCSYS

Version: V1 Release date: 82

BACKGROUND and PRIMARY OBJECTIVES:
The development of DOCSYS (formerly REDOC) was begun in 1974 as an in-house information storage and retrieval system with library management facilities. The present DOCSYS system runs on a VAX 11/780 computer and incorporates many enhancements and improvements such as data base updating. The system is being further developed to support applications and requirements from other users.

GENERAL DESCRIPTION, MAIN FEATURES:
DOCSYS consists of two components: LICAT and DOCTRIEVE, which both process data of the same format. LICAT provides for the production of 6 library catalogs. DOCTRIEVE supports the creation and maintenance of databases, and allows online retrieval in a multi-user environment from a combination of the following index-files: 1) Names. 2) Title and additional keywords to title words. 3) Keywords (free or thesaurus). 4) Publication data (year). The results may be displayed on the screen or printed.

PRODUCER:
Name: MAX-PLANCK-Institut fuer Biochemie, Mr. R.W. Lutz
Address: Am Klopferspitz 18a, D-8033 Martinsried, FEDERAL REPUBLIC OF GERMANY
Telephone: 089-8578-2724
Telex: 521740 mpid b

VENDOR:
Name: Garching Instrumente GmbH
Address: Koeniginstr. 19, D-8000 Muenchen 22, FEDERAL REPUBLIC OF GERMANY
Telephone: 089-193026
Telex: 5215493 giga d

For additional information contact:
Name: Liselotte Wenk
Firm/Institution: MAX-PLANCK-Gesellschaft z.F.d.W. Generalverwaltung
Address: Koeniginstr. 19, D 8000 Muenchen 22, FEDERAL REPUBLIC OF GERMANY
Telephone: 089-2108-5563
Telex: 522203 mpg d
Cable: Minervaplanck München

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II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer. Configuration: Digital Equipment Corp., VAX 11/730, VAX 11/750, VAX 11/780, VAX 11/782.

Memory size: 1MB
Disk drives: Optional 1 unit
Tape drives: None
Terminals: 1 - 96
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: VMS 3.0
Compilers:, Fortran-77
Record Management System (RMS): Index sequential, Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: not limited
Maximum number of records: Limited only by hardware
Maximum number of fields/record: Not applicable

The system's command language is: Supplied in English, (user can define own command set using Latin alphabet)

Batch operations.
Online operations; Number of terminals: Limited by VMS.

Type of system capability: multiple file, simultaneous file search.

Data entry and revision functions: Insert new text, Delete text, Insert text from external files, Change text facility in preparation.

Features of query language: Boolean operators, Search-term truncation, Nesting of instructions, Intermediate results are stored as pseudo-descriptors for further logical connections.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Recall query.

Catalog functions: Create, Print catalogs, Multiple copies.

Documentation: Available in German, English; Systems manual, Reference manual, Operations manual, User guide.

User can add application programs.
System is available without geographic limitations.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:

*Source Code: $10,001 - $50,000 *Object Code: $5,001 - $10,000

Special terms for developing countries: Same as for German universities and public institutions related to MAX-PLANCK-SOCIETY: Object code up to $3,000

Number of installations: 14

*Locations: In-house; MAX-PLANCK-Institut fuer Sroemungsforschung, Boettinger Str. 6-8, D-3400 Goettingen; MAX-PLANCK-Institut fuer Kohlenforschung, Kaiser Wilhelm Platz 1, D-4330 Muehlheim/Ruhr; MAX-PLANCK-Institut fuer Eisenforschung, Max-Planck Str. 1, D-4000 Duesseldorf 1.

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I. GENERAL FEATURES
SYSTEM NAME: DOKIS, Document Information System

Acronym: DOKIS

release date: 81

BACKGROUND and PRIMARY OBJECTIVES:
With a Document Retrieval System operating on a minicomputer, we expected to offer a genuine alternative to the then existing retrieval systems operating on mainframes (e. g. STAIRS).

GENERAL DESCRIPTION, MAIN FEATURES:
Cataloging and retrieval of documents. Maintenance and update of documents. Maintenance and update of search profiles. Maintenance and update of descriptors. Multiple user capability.

PRODUCER:
Name: ACTIS GmbH
Address: Kurfuerstendamm 65, 1000 Berlin 15, FEDERAL REPUBLIC OF GERMANY
Telephone: 030-8814228
Telex: 181 724

VENDOR:
Name: ACTIS GmbH and NIXDORF CAG
Address: Fuerstenallee 7, 4790 Paderborn, FEDERAL REPUBLIC OF GERMANY
Telephone: 05251-3001

For additional information contact:
Name: Mr. H. Telorac
Firm/Institution: ACTIS GmbH
Address: Kurfuerstendamm 65, 1000 Berlin 15, FEDERAL REPUBLIC OF GERMANY
Telephone: 030-8814228
Telex: 181 724

II. HARDWARE REQUIREMENTS
The software package is implementable on a mini computer.
Configuration: Nixdorf Computer, NIXDORF 8860, NIXDORF 8870.

Memory size: 256K
Disk drives: 5MB 2 Units
Terminals: 1 - 16
Printers: 1 - 20

Other peripheral equipment: Floppy Disk.

III. SOFTWARE - OPERATING SYSTEM
Name: DIPOS 2.0/2.1

Record Management System (RMS): Index sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: fixed
Maximum record length: 444
Maximum number of records: 999 999
Maximum number of fields/record: 36

The system's command language is: English, no other languages available.

Thesaurus maintenance.
Online operations; Number of terminals: 16.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Insert text from external files, Copy text.

Features of query language: Boolean operators, Numerical search, Thesaurus, Field-based search, Nesting of instructions.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode.

Acquisition functions:, N/A.

Catalog functions:, N/A.

Circulation functions: N/A.

Documentation: Available in German; User guide.

Special applications: Literature documents. Legal documents or files. Patent documents.

System is available without geographic limitations.
Warranty: 6 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $5,001 - $10,000
Price range of hardware: $10,001 - $50,000

Number of installations: 9
*Locations: Feldmuehle AG, Gladbacher Str. 189, 4060 Viersen 1; CYANAMID GmbH, Pfaffenrieder Str. 7, 8190 Wolfratshausen; Linde AG, Dr. C.-V.-Linde-Str. 6, 8024 Hoellriegelskreuth; Bundesgesundheitsamt, Thieiallee 88-92, 1000 Berlin 22; Fraunhofer Gesellschaft, Romanstr. 22, 8000 Muenchen.

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I. GENERAL FEATURES

SYSTEM NAME: Development Of Minicomputer Applications in an Environment of Scientific and Technological Information Centers

Acronym: DOMESTIC

Version: G II Release date: Jan. 80

BACKGROUND and PRIMARY OBJECTIVES:
DOMESTIC is a joint Israeli-German project for the application of minicomputers in information storage and retrieval. Programming of the first phase of the system began early in 1978. DOMESTIC is a turnkey system that enables information centers equipped with a minicomputer and suitable peripheral devices to create and operate data bases in-house, and in general to utilise computing machines efficiently for their activities. Any information can be stored , updated and retreived by DOMESTIC. The information can be structured into categories. As keywords single words of the text of the document itself, phrases intellectually assigned, as well as numerical values can be used. Search questions are stored and can be combined to new questions or repeated after same time as SDI.

GENERAL DESCRIPTION, MAIN FEATURES:
Handling information retrieval from textual and other data bases, library automation and a print generator. The DOMESTIC software package includes functions for online creation and updating of in-house data bases; assimilation of external data bases; setting up, running and reformulating online data base searches; viewing search results; printing the output in selected formats; and various tasks associated with the acquisition, cataloging and circulation phases of information-center activities. DOMESTIC was designed as a largely hardware-independent system, capable of being readily transferred from one machine family to another, and amenable to upgrading from a basic configuration. The system's command language is English, and it is easy to change to any other language.

PRODUCER:
Name: KTS Informations-Systeme GmbH
Address: Leopoldstr. 87, 8000 München 40, FEDERAL REPUBLIC OF GERMANY
Telephone: 089-398057

Name: National Center of Scientific and Technological Information
Address: P.O.B. 20125, Tel-Aviv 61201, ISRAEL
Telephone: 03-297781
Telex: 03-2332
Cable: COSTI

VENDOR:
Name: KTS Informations-Systeme GmbH
Address: Leopoldstr. 87, 8000 Muenchen 40, FEDERAL REPUBLIC OF GERMANY
Telephone: 089-398057

For additional information contact:
Name: Seelbach, H.E.
Title: Managing Director
Firm/Institution: KTS Informations-Systeme Gmbh
Address: Leopoldstr. 87, 8000 Muenchen 40, FEDERAL REPUBLIC OF GERMANY

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: Philips P 857-859 and a full range of Philips and DEC PDP computers. Installation on any minicomputer or mainframe computer possible.

The software package is implementable on a mini computer. Configuration: Philips, P 857-859.

Memory size: 128KW (16 bit) - Unlimited
Disk drives: 40-80 MB 1 unit - 300MB 4 units
Tape drives: Max. 1
Terminals: 1 - 12
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: MAS
Compilers: Fortran, Assember
Record Management System (RMS): Relative direct access
Name of DBMS: Own system included
Utilities: Own Sort included.

IV. SOFTWARE APPLICATION SYSTEM

Record length: variable

The system's command language is: English

Thesaurus maintenance.
Online operations; Number of terminals: 12.

Type of system capability: multiple file, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode, KWIC-KWOC, Statistics, Forms, Editing a format, Word processing.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies.

Catalog functions: Create, Skip (in create prompt mode), Print catalogs.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation field codes, Reserving an item.

Documentation: Available in German, English.

User can add application programs.
System is available without geographic limitations.
Warranty: 9 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $50,001 - $100,000
Price range of hardware: $50,001 - $100,000

*Locations: Muenchen/Ebenhausen Stiftung fuer Wissenschaft und Politik. Koeln Bundesinstitut fuer internationale Studien.

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I. GENERAL FEATURES

SYSTEM NAME: Document Translation Assistance Facility

Acronym: DTAF

Version: 5740-SA1, 5740-SA3 Release 1, Modification Level 1

BACKGROUND and PRIMARY OBJECTIVES:
Developed initially at IBM's research center at Yorktown Heights, NY, and subsequently at IBM's laboratories at Sindelfingen, Germany. The primary objective is to assist in translation and editing of documents.

GENERAL DESCRIPTION, MAIN FEATURES:
DTAF allows for computer assisted translation, by dividing the terminal screen into 3 parts: 1) Source document (display). 2) Dictionary lookup. 3) Target document creation and editing. A batch facility allows for creation of "text related glossaries", i.e. special dictionaries for given translation jobs. Automatic translation is not attempted.

PRODUCER:
Name: IBM Program Product Development Center
Address: Scwertstrasse 58, Sindelfingen D-7032, FEDERAL REPUBLIC OF GERMANY
Telephone: 7031-17(0) EXT. 6074

VENDOR:
Name: IBM Israel Ltd. (Or any IBM Branch office)
Address: P.O.B. 33666, Tel-Aviv 61336, ISRAEL
Telephone: 03-618864
Telex: 33615

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370, IBM 43XX, IBM 303X, IBM 308X.

Memory size: Virtual: 1MB
Disk drives: e.g.: 3330-1 100 tracks 1 unit
Tape drives: 1
Terminals: 1 (32xx)
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: VM/370 (CMS) or MVS (TSO)
Compilers: Written in Assembler, compiler not needed
Others: VTAM, TCAM

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable

The system's command language is: English

Thesaurus maintenance.

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Batch operations.
Online operations.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Acquisition functions: Preliminary search, Document creation, Displaying the document.

Documentation: Available in English; Systems manual, Reference manual, Operations manual, User guide.

System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code:
Conditions (for source code): Rental only.
Price range of hardware: $50,001 - $100,000

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I. GENERAL FEATURES

SYSTEM NAME: DYL-280

Acronym: DYL-280 (*)

Version: 3.0 Release date: Jan. 83

BACKGROUND and PRIMARY OBJECTIVES:
DYL-280 was introduced into the marketplace in July 1981. A state-of-the-art report writer, utility and information handling system, DYL-280 is designed to offer dramatic time gains in programming over traditional languages such as COBOL or PL1. With a few English-like commands DYL-280 generates simple or complex reports. For the more sophisticated programmer the system provides extensive and powerful utility functions and additional features aid in system design and development. Designed with the end user in mind, the product is easy to learn and use.

GENERAL DESCRIPTION, MAIN FEATURES:
DYL-280 is a free form, English language report writer, utility and information management software system. As a report writer, DYL-280 provides automatic editing, printing, titling, spacing, totaling, column headings, formula calculations and much more. As a utility, the system fixes files, offers backup and handles almost any record format including fixed, variable, undefined and spanned. System design and development features include master or test file generation, file printing, file compares and subroutine testing. Interfaces are available for IMS/DL1 and IDMS with access to ADABAS, TOTAL etc. included in the system. A description about DYL-AUDIT,a new system of the same vendor, will appear in next publishing.

PRODUCER:
Name: Dylakor
Address: 17418 Chatsworth St., Granada Hills, CA 91344, U.S.A.
Telephone: 213-366-1781
Telex: 696191

For additional information contact:
Name: Carole Morton
Title: Vice Pres. & Gen'l Mgr.
Firm/Institution: Dylakor
Address: 17418 Chatsworth St., P.O.B. 3010, Granada Hills, CA 91344, U.S.A.
Telephone: 213-366-1781
Telex: 696191

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II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 360, IBM 370, IBM 30XX, IBM 43XX and on IBM compatible machines such as AMDAHL, ITEL.

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 360, IBM 370, IBM 30XX, IBM 43XX.

Memory size: 120K
Disk drives: 1 unit
Tape drives: depends
Terminals: depends
Printers: depends

III. SOFTWARE - OPERATING SYSTEM

Name: All OS and DOS
Record Management System (RMS): Index sequential
Others: VSAM (KSDS, ESDS), Sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: 32,767
Maximum number of records: Any number
Maximum number of fields/record: Any number

The system's command language is: English

Batch operations.
Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Print generator: Sort, Statistics, Indexing, Forms, Editing a format.

Documentation: Available in English; Utilities manual, Reference manual, User guide, Programmers aid, CMS manual, IDMS manual, IMS/DL1 manual, Report writer manual.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
*Locations: Worldwide (confidential).

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I. GENERAL FEATURES

SYSTEM NAME: EASY DATA Integrated Library System

Acronym: EASY DATA (*)

Version: 3.0

BACKGROUND and PRIMARY OBJECTIVES:
EASY DATA Integrated library System was first introduced in 1975 to support the cataloging, inquiry and acquisitions functions of 3 major Regional Public Library Systems in British Columbia. A newly released version of EASY DATA features the following modules: Cataloging with online authority files and a MARC Record Request Subsystem; Online Inquiry with Boolean Logic; Acquisitions and Circulation Control (monographs, serials, A.V. materials). Versions of the Easy Data Systems are available to support multi-branch public Libraries, research libraries, corporate & special libraries.

GENERAL DESCRIPTION, MAIN FEATURES:
EASY DATA is designed to operate on a Datapoint minicomputer. Document & text retrieval have been incorporated into EASY DATA offering these features. Cataloging: Online original, online authority file searching, retrospective conversion activities. MARC records received. Inquiry: Searches of data utilizing Boolean operands, retrieved titles, display status, print bibliographies. Acqusition: Budget analysis reporting, vendor analysis reporting, etc. Circulation: check-out, check-in, reserves, recalls, etc.

PRODUCER:
Name: Easy Data Systems Ltd
Address:≠ 401 - 1200 Lonsdale Avenue, North Vancouver, B.C.
Canada V7M 3H6, CANADA
Telephone: 604-986-8261

For additional information contact:
Name: Merv Richter
Title: President
Firm/Institution: Easy Data Systems Ltd.
Address:≠ 401 1200 Lonsdale Avenue, North Vancouver, B.C.
Canada V7M 3H6, CANADA
Telephone: 604-986-8261

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Datapoint, 6000.

Memory size: 128K - unlimited
Disk drives: capacity 20MB 1 unit - unlimited
Tape drives: max. 1
Terminals: 1 - unlimited
Printers: 1 - unlimited

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Other peripheral equipment: Communications adapter, facsimile interface, light pens, bar code printer.

III. SOFTWARE - OPERATING SYSTEM

Name: DOS or RMS
Compilers:, DATABUS
Record Management System (RMS): Index sequential, Relative direct access
Others: A.I.M. (Associative Indexed Method) Datapoint copyright
Utilities: Sort, back-up, reformat, copy.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: The limit to the total amount of data associated with a record depends on search size characters
Maximum number of records: 2-3 million
Maximum number of fields/record: N/A

The system's command language is: English, menu driven design

Batch operations.
Online operations; Number of terminals: The number of terminals is a function of the configuration. Datapoint is modular so can keep adding processors and terminals.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Search-term truncation, Field-based search, Full-text search, Nesting of instructions.

Search functions: Show results on screen, Print results, Revise query, Online browsing of titles.

Print generator: Sort, Statistics, Indexing, Word processing, Parameter (data field) specification.

Acquisition functions: Preliminary search, Multiple copies, Budget control.

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Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies, Variable loan periods; traps & alerts threshold controlled; fine accounting; collection usage analysis, history data retention & analysis.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual, Planning & Implementation Guide; user newsletters.

User can add application programs.
System is available in Africa, North America, Asia, Europe, South America, Oceania.

Warranty: one year.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $50,001 - $100,000
Price range of hardware: More than $100,000

*Locations: Chevron Research Company, 576 Standard Avenue, Richmond, CA 94802, USA; Everett Public Library, 2707 Hoyt Avenue, Everett, WA 98201, USA; Exxon Coporation, 1251 Avenue of the Americas, New York, NY 10020, USA.

I. GENERAL FEATURES

SYSTEM NAME: EPOS/VIRA-SDI Search System

Acronym: EPOS/VIRA

BACKGROUND and PRIMARY OBJECTIVES:
The primary objective of the system is SDI production.

PRODUCER:
Name: Information and Documentation Center, The Royal Institute of Technology-Library
Address: Valhallavaegen 81, Stockholm 10044, SWEDEN
Telephone: 46-8-787-8950

For additional information contact:
Name: Eva Agerberg
Firm/Institution: Information and Documentation Center, The Royal Institute of Technology-Library
Address: Valhallavegen 81, Stockholm 10044, SWEDEN
Telephone: 46-8-787-8951

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: Amdahl, AMDAHL 470.

Memory size: 180K
Disk drives: 1
Tape drives: 2
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: OS/MVS
Record Management System (RMS): Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed & variable

Batch operations.
Type of system capability: single file search.

Features of query language: Boolean operators, Search-term truncation, Field-based search, Full-text search.

Search functions: Postings, Print results, Save query, Revise query.

Documentation: Available in English.

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System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code:
Conditions (for source code): To be agreed, (for object code): To be agreed.
Price range of hardware: More than $100,000

Special terms for developing countries: No

Number of installations: 3
*Locations: France, Sweden.

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I. GENERAL FEATURES

SYSTEM NAME: Famulus Data Preparation Program

Acronym: FAMDATA

Version: 1.0 Release date: June 81

BACKGROUND and PRIMARY OBJECTIVES:
The program provides easy intractive preparation of data in a standard format for input to 'FAMULUS' or any program requiring similar data format.

GENERAL DESCRIPTION, MAIN FEATURES:
Stores information from keyboard onto floppy disc (sequential file) in format required by 'FAMULUS' program

PRODUCER:
Name: Glasgow University Computing Service
Address: University Avenue, Glasgow, Scotland G12 8QQ, UNITED KINGDOM
Telephone: 041-334-9771

For additional information contact:
Name: Mrs. D. Worstor
Title: Programmer
Firm/Institution: Glasgow University Computing Service
Address: University Avenue, Glasgow, Scotland G12 8QQ, UNITED KINGDOM
Telephone: 041-334-9771

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: any micro computer that has a CP/M Operating System.

Memory size: 64K
Disk drives: 2 units
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M
Record Management System (RMS): Index sequential

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 80 bytes
Maximum number of records: limited by disc capacity

The system's command language is: English

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Online operations; Number of terminals: 1.

Data entry and revision functions: Insert new text, Data validation, Cancel latest revisions.

Documentation: Available in English; User guide.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: Up to $5,000
Number of installations: 1
*Locations: Glasgow University.

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I. GENERAL FEATURES

SYSTEM NAME: Information Retrieval and Data Base Management System

Acronym: FIRS

Version: 2 Release date: May 82

BACKGROUND and PRIMARY OBJECTIVES:
FIRS information retrieval and file management system is a general purpose, free text retrieval system for micro-computers. The system has modules for creating and structuring data bases, data entry and editing, creating and updating indexes, searching and retrieving records, and sorting and listing records.

GENERAL DESCRIPTION, MAIN FEATURES:
The system has a module called CREATE which enables the system to be set up according to the particular requirements of the user. One of the most important features is the system ability of auto-indexing. SORT programs enable listings to be produced.

PRODUCER:
Name: CIS, University of London, Senate House
Address: Malet Street, London WC1E 7HU, UNITED KINGDOM
Telephone: 01-636-4514, Ext. 937
Telex: 26 94 00

For additional information contact:
Name: A. Vickery
Title: Senior Information Systems Officer
Firm/Institution: CIS, University of London, Senate House
Address: Malet Street, London WC1E 7HU, UNITED KINGDOM
Telephone: 01-636-4514, Ext. 937
Telex: 26 94 00

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: Rair Black Box 3/30, Intertec SUPERBRAIN and Research Machines micro-computers.

The software package is implementable on a micro computer.
Configuration: Rair, Black Box 3/30.

Memory size: Max. 5-1/4" Winchester Hard disk +
Disk drives: Max. 5-1/4 " floppy disc
Printers: Max. TALLY

Other peripheral equipment: CRT, Keyboard.

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M

****

Record Management System (RMS): Relative direct access
Utilities: 10.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: approximately 3800 characters (depends on the length of record)
Maximum number of fields/record: 15

The system's command language is: English

Online operations.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Indexing.

Acquisition functions: Multiple copies.

Documentation: Available in English; Systems manual, Operations manual, User guide.

Special applications: Term - Networks and communication capability. WORD STAR - Word processing system.

System is available without geographic limitations.
Warranty: Can be arranged.

System update and/or maintenance is available.

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V. COST, INSTALLATION

Price range of software:
*Source Code: $10,001 - $50,000 *Object Code: Up to $5,000
Price range of hardware: $5,001 - $10,000

Special terms for developing countries: Software can be provided for about 220 Pounds Sterling.

Number of installations: 18
*Locations: British Telecom, Research Labs. Martlesham Heath, Ipswich, Suffolk.

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I. GENERAL FEATURES

SYSTEM NAME: Text-Entry and Management System for Formatted Text

Acronym: FORMATEXT-11

Version: 3.1 Release date: Oct. 81

BACKGROUND and PRIMARY OBJECTIVES:
A unique combination of word processing and data entry. Data-entry systems for commercial record-entry are widely known and in use for many years. Advanced data-entry systems have sophisticated means of defining record structures (fields) and checking the entered records against these field specifications. Entering textual data in these systems, however, is cumbersome. Textual data differs in various aspects from commercial data, e.g. variable length, more than one screen, character set, etc. In addition it is clear that entry and correction of text requires far more sophisticated editing facilities than data-entry systems offer. Word processing systems offer the typical characteristics required by textual data entry and manipulation but they lack the structure definition and validation capability. Specifically, when dealing with structured (or formatted) text-entry, a combination of these two technologies (data entry and word processing) would be very advantageous. Such a combination has been developed by Infonet Automation Services: FORMATEXT-11.

GENERAL DESCRIPTION, MAIN FEATURES:
FORMATEXT-11 is a text-entry software product, designed for the DEC PDP-11 range of computer systems. FORMATEXT-11 facilitates the input and correction of record oriented alphanumeric data (records up to 64000 characters), controlled and validated by a predefined format. Designed both as a stand-alone text-entry facility that can be implemented without any programming effort and as a "front-end" to data base processing, FORMATEXT-11 provides seven important features: A forms design facility; A thesaurus definition and maintenance facility; A character set definition facility; A sourc text-entry facility; A proof-print process; A release facility; A data comunication acility.

PRODUCER:
Name: Infonet Automation Services
Address: Nieuwe Prinsengracht 75, Amsterdam, NETHERLANDS
Telephone: 020-262495

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For additional information contact:
Name: F. Kress
Title: Mgr. Systems Div.
Firm/Institution: Infonet Automation Services
Address: Nieuwe Prinsengracht 75, Amsterdam, NETHERLANDS
Telephone: 020-262495

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, All models.

Disk drives: 1 disk drive 10MB all disk drives and their quantities if supported by RSX-11M
Terminals: 1 unlimited
Printers: 1 2QP or draft

III. SOFTWARE - OPERATING SYSTEM

Name: RSX-11M, full duplex terminal driver requested

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Maximum number of records: disk capacity
Maximum number of fields/record: 255

The system's command language is: English, The application is menu-driven. The menus and the error mesages can be simply translated to other languages.

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: Very large, depending upon PDP-11 model.

Type of system capability: networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Cancel latest revisions, Insert text from external files, Move text, Copy text, Fixed edit line by scrolling text.

Features of query language: Boolean operators, Numerical search, Field-based search, Full-text search, Nesting of instructions.

Search functions: Show results on screen, Print results.

Documentation: Available in English + Dutch; User guide, Training manual.

User can add application programs.
System is available in Asia.

Warranty: 3 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Price range of hardware: $10,001 - $50,000

Number of installations: 1
*Locations: Commonwealth Agricultural Bureaux, Farnham House, SLOUGH.

I. GENERAL FEATURES

SYSTEM NAME: FOSSILS2

Acronym: FOSSILS2 (*)

Version: 2 Release date: 78

BACKGROUND and PRIMARY OBJECTIVES:
Teaching aid providing instruction in searching DIALOG. The simulation now consists of four modules; a simple search of the ERIC data base with the option to try Superselect; a citation search; a more difficult subject search of two data bases using a saved search; and a logging off module.

GENERAL DESCRIPTION, MAIN FEATURES:
Teaching aid for training library school students, librarians and information workers in the basic techniques of using DIALOG. Also, a first introduction to practical online bibliographic retrieval in general

PRODUCER:
Name: Department of Information Studies, University of Sheffield
Address:, Sheffield S10 2TN, UNITED KINGDOM
Telephone: 0742-78555
Telex: 54348

For additional information contact:
Name: Miss F. E. Wood
Title: Lecturer
Firm/Institution: Department of Information Studies, University of Sheffield
Address:, Sheffield S10 2TN, UNITED KINGDOM
Telephone: 0742-78555
Telex: 54348

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: PRIME 400 and 750, APPLE II, VAX 11/780, IBM 4331, ICL, BURROUGHS and HARRIS mini and mainframes. Negligible OS dependancy: Relatively machine independent.

The software package is implementable on a mini computer.
Configuration: Prime Computer, PRIME 400.

III. SOFTWARE - OPERATING SYSTEM

Name: PRIMOS

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IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: fixed

The system's command language is: English, no other languages available.

Online operations; Number of terminals: As many as the computer can handle.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Nesting of instructions, This is a simulation of a system with the features indicated above. The simulation demonstrates these features.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, This is a simulation of a system with the features indicated above. The simulation demonstrates these features.

Documentation: Available in English, Program documentation.

System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: Up to $5,000 (Less than $ 200)
Number of installations : 40

*Locations: School of Librarianship and Information Studies, Newcastle upon Tyne Polytechnic, Lipman Building, Sandyford Road, Newcastle upon Tyne, NE1 8ST, England; Institute of Library Science, University of the Philippines, Gonzales Hall, Diliman, Quezon City, Philippines; Biblioteca, Pontificia Universidad Catolica del Peru, Fundo Pando, Pueblo Libre, Lima, Peru.

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I. GENERAL FEATURES

SYSTEM NAME: Geac Library Information System

Acronym: GEAC (*)

Version: 4.0 Release date: Apr. 81

BACKGROUND and PRIMARY OBJECTIVES:
The regional system was developed by Geac and the University of Guelph and implemented in 1977 at the University of Guelph and the University of Waterloo, both in Ontario, Canada. This initial module supported circulation and public query functions. The first public library installation was London (Ontario) Public Library and was operational in June, 1980. There have been constant enhancements through a series of releases over the years. The initial acquisitions module, developed by the University of Guelph, was introduced in 1980 and has been enhanced since. Geac has underway a series of joint developments designed to complete the general usefulness of its library products. The objective is an integrated library system capable of running all major functions in a world wide context. The system will be available as a complete turnkey system requiring no library computer expertise and in a mode where local development is done.

GENERAL DESCRIPTION, MAIN FEATURES:
The Geac Library Information system is currently used for circulation, catalogue support, and acquisitions in a number of systems in North America and Europe. Serials control and networking are under active development. The Geac system, therefore, automates most of the functions associated with technical services and circulation in a library. It includes capabilities to permit libraries to share access to information and computer resources. Because the system is a commercial product it comes with a training package, technical support, and ongoing development and enhancement.

PRODUCER:
Name: Geac Computers International
Address: 350 Steelcase Rd West, Markham, ON L3R 1B3, CANADA
Telephone: 416-475-0525
Telex: 06986833

For additional information contact:
Name: Library Marketing Department
Firm/Institution: Geac Computer International
Address: 350 Steelcase Rd West, Markham, Ontario L3R 1B3, CANADA
Telephone: 416-475-0525
Telex: 06986833

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: Geac Ltd., GEAC 8000, GEAC 6000.

Memory size: 256KB - 2048KB
Disk drives: 80MB 1 unit - 160MB, 300MB, 675MB, upto 10-675MB units
Tape drives: 1 - 4
Terminals: 1 - or more 200
Printers: 1 - 64

Other peripheral equipment: Barcode printer, screen printer, portable terminal.

III. SOFTWARE - OPERATING SYSTEM

Name: MPS
Compilers: Basic, ZOPL
Others: Library specific systems
Utilities: Sort, Editor, text formatter, spooler, X25 communications, interactive support.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: Depends on subsystem: from 1,500 - 1,000,000
Maximum number of records: 8,000,000
Maximum number of fields/record: Depends on subsystems: from 127 - 1024

The system's command language is: English, French, for users, any Latin character set language.

Batch operations.
Online operations; Number of terminals: Depending on hardware 200+.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Nesting of instructions, Alternative query languages.

Search functions: Show results on screen, Print results, Save query, Revise query.

Print generator: Sort, Statistics, Indexing, Word processing.

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Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies, Budget control, Multiple currencies, Purchase orders, Vendor tracking, Receiving, Serial checking (4Q82).

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies, Full MARC support, authority files (4Q82) COM interface.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies, Reserve Room Processing, External Data Load, OCLC link, RLG link (3Q82).

Documentation: Available in English, some in French; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual, Note all manuals are in machine readable format for ease of local modification.

Special applications: Word Processing.

User can add application programs.
System is available without geographic limitations.
Warranty: 3 months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $50,001 - $100,000
Conditions (for source code): $35,000 first module. $60,000 entire package.
Price range of hardware: More than $100,000

Number of installations: 45
*Locations: Legislative Library of Ontario, Legislative Building, Queen's Park, Toronto, Ontario M7A 1A2; University of Michigan, 3025 Administrative Services Building, Ann Arbor, MI 48109, USA; Utrecht University, Wittevrouwen Staat 9-11, Utrecht, Netherlands.

I. GENERAL FEATURES

SYSTEM NAME: GENCON V

Acronym: GENCON V (*)

release date: 80

BACKGROUND and PRIMARY OBJECTIVES:
Written by NLA staff in 1980 to facilitate the conversion of MARC records from one standard format to another.

GENERAL DESCRIPTION, MAIN FEATURES:
The main function of this system is MARC Record Management. The program provides a framework for the conversion of MARC records from one format to another. Conversion is partly table-driven, partly done by a routine written to carry out unusual conversions and linked into the standard routines.

PRODUCER:
Name: National Library of Australia
Address: Parkes Place, Canberra, ACT 2600, AUSTRALIA
Telephone: 621111
Telex: 62100

For additional information contact:
Name: Kerry Webb
Title: Asst. Director, ADP
Firm/Institution: National Library of Australia
Address: Parkes Place, Canberra, ACT 2600, AUSTRALIA
Telephone: 621538
Telex: 62100

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 370/148 and FUJITSU M180IIAD.

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370/148.

Memory size: 512K - 512K
Disk drives: 1 Input data set, 1 output data set
Printers: 1 - 1

III. SOFTWARE - OPERATING SYSTEM

Name: OS/VS1

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IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 4096

The system's command language is: Control card driven, no other languages available.

Batch operations.
Documentation: Available in English; Systems manual.

Special applications: Used to convert MARC records to the format required by a particular system.

System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: No charge
Conditions (for source code): Non-profit organizations.
Price range of hardware: More than $100,000

Special terms for developing countries: None

Number of installations: 1
*Locations: National Library of Australia.

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I. GENERAL FEATURES

SYSTEM NAME: General Information Processing System

Acronym: GIPSY

Version: II Release date: Sep. 82

BACKGROUND and PRIMARY OBJECTIVES:
GIPSY is a question-oriented general information storage & retrieval system to be used with IBM 360, VS or OS. It has a wide variety of applications including petroleum databases, linguistics, educational abstracts, museum catalog files, mineral databases and legal databases.

GENERAL DESCRIPTION, MAIN FEATURES:
GIPSY permits user to answer ad hoc inquiries and to browse through an information collection. Next, the retrieval language of GIPSY "QUESTRAN" (question translator) takes over, issuing a non-procedural English-like language. QUESTRAN extends the 'scientific method' to computerized information retrieval with SELECT. A hypothesis is expressed in the form of a question posed to the data base while the user identifies the variables he is seeking.

PRODUCER:
Name: Information System Programs
Address: P.O.B. 3030, Norman, OK 73070, U.S.A.
Telephone: 405-360-1600

For additional information contact:
Name: William Leal
Title: Manager, Systems Analysis
Firm/Institution: Information System Programs
Address: P.O.B. 3030, Norman, OK 73070, U.S.A.
Telephone: 405-360-1600

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: any system using IBM Assembler language in an IBM OS or VS compatible environment including IBM models and Amdahl.

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM, All models.

Memory size: 240K
Disk drives: No upper limit (1 Unit-unlimited)
Tape drives: 0 - unlimited
Terminals: 0 - unlimited
Printers: 0 - unlimited

Other peripheral equipment: Any DASD's may be used in place of the minimum 1 disk.

III. SOFTWARE - OPERATING SYSTEM
Name: IBM OS or VS compatible
Record Management System (RMS): Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: variable
Maximum number of records: None
Maximum number of fields/record: 10,000

The system's command language is: English

Batch operations.
Online operations; Number of terminals: As many as may operate through TSO or similar controller.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Cancel latest revisions, Extend existing text, Associate existing text with different label.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search, Text range search, Equation search, Simultaneous label search, Index search.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query.

Print generator: Sort, Forms, Editing a format.

Documentation: Available in English; Reference manual, Training manual.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:

Conditions (for object code): Lease price approximately $1000.00 per month.
Number of installations: 12
*Locations: Placid Oil Company, 1600 First National Bank Bldg.

Dallas, TX 75202; Utah Geological Survey, 606 Black Hawk Way, Salt Lake City, UT 84108.

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I. GENERAL FEATURES

SYSTEM NAME: Golden Retriever - Library File Management System

Acronym: GOLDEN RETRIEVER (*)

BACKGROUND and PRIMARY OBJECTIVES:
Development began in spring 1979 in response to requests from CLASS-member libraries for library-related software that would run on microcomputers. The objective was to create a generalized data base management system for bibliographic applications.

GENERAL DESCRIPTION, MAIN FEATURES:
Data base creation and maintenance of bibliographic records; Fixed length records with variable length fields; User-defined field tags (up to 20 fields); Boolean search on any term that appears in an indexed field; Printed catalogs; Prompted data entry; User-defined indexing; User-modifiable stopword list; Sophisticated field modification techniques; File security.

PRODUCER:
Name: California Library Authority (CLASS)
Address: 1415 Koll Circle, Suite 101, San Jose, CA 95112, U.S.A.
Telephone: 408-289-1756

For additional information contact:
Name: J. Michael Bruer
Title: Associate Director
Firm/Institution: California Library Authority (CLASS)
Address: 1415 Koll Circle, Suite 101, San Jose, CA 95112, U.S.A.
Telephone: 408-289-1756

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: any micro with 64K CPU plus TRSDOS, CP/M, MS or PC-DOS plus large capacity floppy diskettes or a hard disk.

Memory size: 64K - No maximum
Disk drives: 500K floppies or a hard disk capability
Terminals: 1 - Limitations determined by hardware capability
Printers: 1 - Limitations determined by hardware capability

III. SOFTWARE - OPERATING SYSTEM

Name: TRSDOS, CP/M or MS-DOS
Record Management System (RMS): Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed
Maximum record length: 1460 bytes
Maximum number of records: 4500
Maximum number of fields/record: 20 variable length

The system's command language is: English, no other languages available.

Batch operations.
Online operations: Number of terminals: Depends on hardware.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Field-based search.

Search functions: Show results on screen, Print results, Save query.

Print generator: Sort, Indexing.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; Systems manual, Operations manual, User guide, Training manual.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000 *Object Code: Up to $5,000
Price range of hardware: $5,001 - $10,000

Special terms for developing countries: Multiple copies of GOLDEN RETRIEVER on one purchase order discounted as follows: 2-5 copies 10%. 6-10 copies 20%. 11-30 copies 30%

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Number of installations: 2
*Locations: New York State Library, Cultural Education Center, Empire State Plaza, Albany, NY 12230; Capital Systems Group, Inc. 113011 Rockville Pike, Kensington, MD 20795; SRI International Library and Research Info. Svcs., 333 Ravenswood Ave., Menlo Park, CA 94025; First National Bank in Pratt, Drawer N, Pratt, KS 67124; E.I. Dupont, Sabine River Works, FM 1006, Orange, TX 77630; Alaska Geological Survey, P.O.B. 80007, College, Alaska 99708.

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I. GENERAL FEATURES

SYSTEM NAME: GOLEM-Information-Retrieval-System

Acronym: GOLEM

Version: 4.0 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
From 1969-76 GOLEM was offered in the BS1000 operating system. Version 1: Sept. 1976 of GOLEM in BS2000 operating system. Version 2: March 1978. Version 3: March 1979. Version 4: June 1982.

GENERAL DESCRIPTION, MAIN FEATURES:
GOLEM is a general information retrieval and data base management software system. Using Boolean operators, it develops search questions in a flexible dialogue via a video display terminal and allows parallel access by several users. Data can be modified online, and the data base can be expanded any time without the user having to conduct reorganization runs. GOLEM can be used in conjunction with Siemen's PASSAT, a system for editing documents and analyzing the contents of texts. PASSAT permits the automatic selection of search words from texts by selecting characteristic keywords with the aid of a comparative thesaurus. The keywords serve as descriptors in online searching with GOLEM.

PRODUCER:
Name: Siemens-AG
Address: Otto-Hahn-Ring 6, 8000 Muenchen, FEDERAL REPUBLIC OF GERMANY
Telephone: 089-636-1
Telex: 089-5210944

For additional information contact:
Name: Werner Ross
Title: Dipl. Kaufmann
Firm/Institution: Siemens-AG
Address: Otto-Hahn-Ring 6, 8000 Muenchen, FEDERAL REPUBLIC OF GERMANY
Telephone: 089-636-46184
Telex: 089-5210944

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer. Configuration: Siemens, 7500, 7700.

Memory size: 500KB - 16MB
Disk drives: 72M Pam-Pages 1 Unit - 840M Pam-Pages Units depending on the memory
Tape drives: 1 - machine dependent
Terminals: 1 - machine dependent
Printers: 1 - machine dependent

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Other peripheral equipment: Different types of teletype or display terminals, floppy disks.

III. SOFTWARE - OPERATING SYSTEM

Name: BS2000
Record Management System (RMS): Relative direct access
Utilities: Sort, Editor.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 516,000 bytes
Maximum number of records: Unlimited
Maximum number of fields/record: Unlimited

The system's command language is: German, All languages can be adapted.

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: Depending on the memory size of the computer, up to 250.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Cancel latest revisions, Insert text from external files, Specification of information structures for data entry.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full-text search, Nesting of instructions, Alternative query languages, Indicate.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query.

Acquisition functions:, Special features are offered on separate programs: BVS, BIKAS and BIAS.

Catalog functions:, Special features are offered on separate programs: BVS, BIKAS and BIAS.

Circulation functions: Special features are offered on separate programs: BVS, BIKAS and BIAS.

Documentation: Available in German and English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

Special applications: Yes.

User can add application programs.
System is available in Africa, Asia, Europe.

There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Price range of hardware: $50,001 - $100,000

Number of installations: 100
*Locations: Berlin, Grossrechenzentrum f. Wissenschaft (GRZ); Frankfurt, Posttechnisches Zentralamt; Bruessel, Electrobel.

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I. GENERAL FEATURES

SYSTEM NAME: General Relation Based Information Processing System

Acronym: GRIPS

Version: 3.05 Release date: Jan. 83

BACKGROUND and PRIMARY OBJECTIVES:
GRIPS was developed over the last 11 years. Its primary objective was to increase the availability of information on specific scientific fields of literature. In the course of time it has developed into a multi-purpose data base system.

GENERAL DESCRIPTION, MAIN FEATURES:
The system consists of components for the following functions: Retrieval (online, batch, SDI, back-file); Update (Batch, online); Output-Control; Accounting; DBMS

PRODUCER:
Name: Deutsches Institut fuer Dokumentation und Information
Address: Weisshausstr. 27, P.O.B. 420580, D-5000 Koeln,
FEDERAL REPUBLIC OF GERMANY
Telephone: 0221/47241
Telex: 8 881 364

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: Siemens, SIEMENS 7 XXX , All models.

Memory size: 1MB incl. OS
Disk drives: 2
Tape drives: 1
Terminals: 1
Printers: 1

Other peripheral equipment: Front-end-processors.

III. SOFTWARE - OPERATING SYSTEM

Name: BS2000
Compilers: Assembler, Own
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum number of records: 2**24
Maximum number of fields/record: 2**16

The system's command language is: English, Own

Thesaurus maintenance.
Batch operations.

Online operations; Number of terminals: Installation dependent.

Type of system capability: multiple file, single file search networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Nesting of instructions, Tree operations on tree type thesauri.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode, Statistics, Forms, Editing a format.

Acquisition functions: Preliminary search, Document creation, Displaying the document.

Documentation: Available in German, English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual, Pocket-guide for online-users.

Special applications: Documentary data bases, project data bases (MEDLARS, EMBASE, HEALTH, AGREP, ENEREP, etc.).

User can add application programs.
System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code:
Conditions (for source code): Rental only.
Number of installations: 9
*Locations: ECHO, Jean Monnet Bldg, P.O.B. 1907, Luxembourg; FIZ Technik Fachinformationszentrum Technik e.V. in Frankfurt

Ostbahnhofstrasse 13, P.O.B. 600547, D-6000 Frankfurt-71;
Technische Hochschule Darmstadt, Fachbereich 20,
Alexanderstrasse 22a, D-6100 Darmstadt.

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I. GENERAL FEATURES

SYSTEM NAME: GS-100 Circulation Control System

Acronym: GS-100 (*)

Version: 1.2 Release date: Jan. 82

BACKGROUND and PRIMARY OBJECTIVES:
The GS-100 Circulation Control System is a distributive data processing microcomputer system utilizing a Gaylord Bros., Inc. mainframe as a host. The primary objective of the system is to provide an automated circulation control system that is affordable by small- and medium-size libraries. The system was installed in a community college as a test site in Nov., 1981. It was released to the field in Jan. 1, 1982 after its successful test.

GENERAL DESCRIPTION, MAIN FEATURES:
The GS-100 will enable the library to: speed up the issue and return process by automatically updating book, patron and record files; detect delinquent patrons who have taken advantage of library policy; automatically alert the staff to books that are reserved; produce patron overdue notices without tedious clerical effort; generate many useful library management and patron usage reports.

PRODUCER:
Name: Gaylord Bros, Inc., Systems Division
Address: P.O.B. 4901, Syracuse, NY 13221, U.S.A.
Telephone: 315-457-5070
Telex: TWX 710 545-0232

For additional information contact:
Name: Don Hadyk
Title: General Manager
Firm/Institution: Gaylord Bros, Inc.
Address: P.O.B. 4901, Syracuse, NY 13221, U.S.A.
Telephone: 315-457-5070
Telex: TWX 710 545-0232

II. HARDWARE REQUIREMENTS

The software package is implementable on a micro computer.
Configuration: Apple Computer Inc., Model II+.

Memory size: 64K - 64K
Disk drives: 130K 2 units - 20MB 8 units
Terminals: 1 - 64
Printers: Max. 1

Other peripheral equipment: Laser bar code scanners, Light pen, Video monitor, Modem, Calendar check card.

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III. SOFTWARE - OPERATING SYSTEM
Name: UCSD PASCAL

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: N/A
Maximum number of records: N/A
Maximum number of fields/record: N/A

The system's command language is: English

Batch operations.
Online operations; Number of terminals: 64.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Copy text.

Features of query language: Numerical search, Search-term truncation, Field-based search.

Search functions: Display dictionary, Show results on screen, Print results.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

System is available without geographic limitations.
Warranty: 90 days for hardware and software.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $5,001 - $10,000
Price range of hardware: Up to $5,000

Special terms for developing countries: Dependent on access to a minicomputer which will act as a host computer that supports brief after-hour conversations with GS-100

Number of installations: 12
*Locations: In USA.

I. GENERAL FEATURES

SYSTEM NAME: GS-1000 and GS-2000 Circulation Control Systems

Acronym: GS-1000 GS-2000 (*)

Version: 3.2 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
The GS-2000 Circulation Control System was initially installed in the Liverpool Public Library, Liverpool, NY in 1974. Initially, the system was designed as a distributive data processing system with a local minicomputer installed at the library being supported by a host mainframe computer in Syracuse, NY. The basic objective of the system was to automate the circulation functions of the library. In 1982, the GS-1000 Circulation Control System was introduced. This product incorporates both the local minicomputer software and supporting host software into a single minicomputer stand-alone system. At the present time the two systems are supporting 16 million circulations in 130 locations by over 254 terminals. The systems are very cost effective and extremely reliable.

GENERAL DESCRIPTION, MAIN FEATURES:
Both the GS-1000 and 2000 will enable the library to: speed up the issue and return process by automatically updating book, patron and record files; detect delinquent patrons who have taken advantage of library policy; automatically alert the staff to books that are reserved; produce patron overdue notices without tedious clerical effort; generate many useful library management and patron usage reoprts.

PRODUCER:
Name: Gaylord Bros., Inc., Systems Division
Address: P.O.B. 4901, Syracuse, NY 13221, U.S.A.
Telephone: 315-457-5070
Telex: TWX 710 545-0232

For additional information contact:
Name: Don Hadyk
Title: General Manager
Firm/Institution: Gaylord Bros., Inc
Address: P.O.B. 4901, Syracuse, NY 13221, U.S.A.
Telephone: 315-457-5070
Telex: TWX 710 545-0232

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, All models.

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Memory size: 56K - 256K
Disk drives: 5MB 1 unit - 300 MB 8 units
Tape drives: Max. 2
Terminals: 1 - 200

Other peripheral equipment: Laser Bar Code Scanners.

III. SOFTWARE - OPERATING SYSTEM
Name: RSX-11M
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: N/A
Maximum number of records: N/A
Maximum number of fields/record: N/A

The system's command language is: English

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 150.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search.

Search functions: Display dictionary, Show results on screen, Print results.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, Training manual.

System is available without geographic limitations.
Warranty: 90 days for hardware and software.

System update and/or maintenance is available.

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V. COST, INSTALLATION

Price range of software:

*Source Code:

Conditions (for source code): Depends upon size of installation.

Price range of hardware: $10,001 - $50,000

Number of installations: 130

*Locations: Library facilities in 14 clusters.

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I. GENERAL FEATURES

SYSTEM NAME: GS-500 Acquisition System

Acronym: GS-500 (*)

Version: 1 Release date: May 82

BACKGROUND and PRIMARY OBJECTIVES:
The GS-500 Acquisition System's primary objectives are to automate the tedious, mundane clerical activities associated with purchasing library materials. The system is designed to run on a microcomputer and is aimed for the small to medium-size library marketplace.

GENERAL DESCRIPTION, MAIN FEATURES:
The GS-500 Acquisition System will: search for duplicate orders; facilitate online order placement; automatically produce purchase orders; automate the process of receiving books from vendors; provide online access to the order file; print claims and cancellation notices automatically; generate useful management reports.

PRODUCER:
Name: Gaylord Bros., Inc., Systems Division
Address: P.O.B. 4901, Syracuse, NY 13221, U.S.A.
Telephone: 315-457-5070
Telex: TWX 710 545-0232

For additional information contact:
Name: Don Hadyk
Title: General Manager
Firm/Institution: Gaylord Bros., Inc.
Address: P.O.B. 4901, Syracuse, NY 13221, U.S.A.
Telephone: 315-457-5070
Telex: TWX 710 545-0232

II. HARDWARE REQUIREMENTS

The software package is implementable on a micro computer.
Configuration: Apple Computer Inc., Model II+.

Memory size: 64 KB
Disk drives: 130K 8 units - 20MB 8 units
Tape drives: Max. 1
Terminals: 1 - 64
Printers: 1 - 64

III. SOFTWARE - OPERATING SYSTEM

Name: UCSD PASCAL
Compilers:, UCSD PASCAL

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: variable
Maximum number of records: A function of disk storage

The system's command language is: English

Thesaurus maintenance.
Online operations; Number of terminals: 64.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Move text, Copy text.

Features of query language: Numerical search, Search-term truncation.

Search functions: Show results on screen, Print results.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, Training manual.

System is available without geographic limitations.
Warranty: 90 days.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $5,001 - $10,000
Price range of hardware: Up to $5,000

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I. GENERAL FEATURES

SYSTEM NAME: Hongkong Automated Library Operations

Acronym: HALO

BACKGROUND and PRIMARY OBJECTIVES:
Designed primarily for support of library activities in the University of Hong Kong, but also providing access to MARC data for other academic libraries in Hong Kong. The system currently has subsystems for cataloging and circulation control, but is intended to be extended into other areas of library management.

GENERAL DESCRIPTION, MAIN FEATURES:
Cataloging subsystem provides online access to UK MARC records (at present English languages titles, 1970 - only) with online editing and batch printing of catalogue cards. Circulation subsystem provides online information on the current status of books (over 100,000 titles) and borrowers (over 6,500 students). There are batch programs to produce borrowers cards, recall/overdue notices, and statistics. Book labels are produced by the MARC system. There are trapping facilities for books and users.

PRODUCER:
Name: Computer Centre, University of Hong Kong
Address: Pokfulam Road, Hong Kong, HONG-KONG
Telephone: 5-468161 ext. 356

For additional information contact:
Title: Director of Computer Services
Firm/Institution: University of Hong Kong
Address: Pokfulam Road, HONG-KONG
Telephone: 5-468161 ext. 356

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11/70.

Memory size: 256K
Disk drives: 1 RM03 67MB/Unit, 5 AMPEX DS9400 300MB/Unit
Tape drives: 1
Terminals: 1 - 32
Printers: 1

Other peripheral equipment: 1 Diablo Printer, 5 Optical Wands.

III. SOFTWARE - OPERATING SYSTEM

Name: RSXIIM
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort, File Backup, Reorganisation utilities, Editor.

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IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed & variable
Maximum record length: 2022 Bytes
Maximum number of records: Constrained by Hardware
Maximum number of fields/record: 18 for Fixed, 40 for Variable

The system's command language is: English Keywords, no other languages available.

Batch operations.
Online operations; Number of terminals: 32.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Insert text from external files.

Features of query language: Numerical search, Search-term truncation.

Search functions: Show results on screen.

Print generator: Sort, Decode, Statistics.

Acquisition functions:, N/A.

Catalog functions: Create, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Reserving an item, Interlibrary loan, Multiple copies.

There is warranty.

System update and/or maintenance is available.

VI. COST, INSTALLATION

Number of installations: 1
*Locations: In-house.

I. GENERAL FEATURES

SYSTEM NAME: Haifa Online Bibliographic Text System

Acronym: HOBITS

Version: 1 Release date: 77

BACKGROUND and PRIMARY OBJECTIVES:
For several years, the University of Haifa Library has supported an intensive program of software development in library automation and information retrieval. Its objectives include: 1) Automation of local library functions; 2) Preparation of bibliographic data bases for publication and searching; 3) Establishment of a cataloging center for groups of libraries.

GENERAL DESCRIPTION, MAIN FEATURES:
System currently comprises the following components: 1) Cataloging (MARC and original); 2) Circulation; 3) Management of internal and private bibliographic data bases; 4) Word processing; 5) In development: Acquisitions.

PRODUCER:
Name: University of Haifa - Library
Address: Mt. Carmel, Haifa 31999, ISRAEL
Telephone: 04-240288

For additional information contact:
Name: Elhanan Adler
Title: Chief Librarian for Planning and Development
Firm/Institution: University of Haifa - Library
Address: Mt. Carmel, Haifa 31999, ISRAEL
Telephone: 04-240288

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11/34.

Memory size: 256KB
Disk drives: 67MB 1 Unit
Tape drives: 1
Terminals: 2 - 36
Printers: 1 - 3

Other peripheral equipment: Modem, Microcomputer.

III. SOFTWARE - OPERATING SYSTEM

Name: RSTS/E
Record Management System (RMS): Index sequential, Relative direct access
Others: RMS
Utilities: Sort.

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IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 10,000 Chrs
Maximum number of records: 500,000
Maximum number of fields/record: 120

The system's command language is: English, Hebrew

Thesaurus maintenance.
Online operations; Number of terminals: 32.

Type of system capability: multiple file.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Cancel latest revisions, Mass correction; Mass search; Option for data entry using microcomputer.

Features of query language: Boolean operators, Search-term truncation, Thesaurus, Field-based search.

Search functions: Show results on screen, Print results.

Print generator: KWIC-KWOC, Word processing.

Catalog functions: Print catalogs, Correct, Add.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Reserving an item.

Documentation: Available in English, Hebrew; Systems manual, Reference manual, User guide.

User can add application programs.
System is available in, Israel.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $10,001 - $50,000
Conditions (for source code): depending on applications chosen.
Price range of hardware: $50,001 - $100,000

Number of installations: 3
*Locations: University of Haifa Library; Ben Gurion University of the Negev Library; Technion - Israel Institute of

Technology Library.

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I. GENERAL FEATURES
SYSTEM NAME: HOMER

Acronym: HOMER (*)

Version: 1.0 Release date: Sep. 82

BACKGROUND and PRIMARY OBJECTIVES:
HOMER is a text information retrieval system derived from "Assassin", which runs on mainframe computers. HOMER runs on CP/M microcomputers and is designed to bring the benefits of text information retrieval to users knowing little of either computers or information science.

GENERAL DESCRIPTION, MAIN FEATURES:
The HOMER system consists of a mixture of menus and prompts to get users to set up their text retrieval system, input information and retrieve it. There is no imposed structure on the input, which can be via word processor software (included in the system) or direct. The system handles indexing and retrieval if items containing user-defined combinations of words and phrases. Applications are bibliographic, personnel, legal, drawing offices etc.

PRODUCER:
Name: ICI Agricultural Division
Address:, Billingham, Cleveland, UNITED KINGDOM

VENDOR:
Name: Mars Group Services
Address: 132-133 Fairlie Road, Slough, Berkshire SL1 4PY,
UNITED KINGDOM
Telephone: 0753-30721
Telex: 847402

For additional information contact:
Name: A.M. Konieczny
Title: Sales Manager
Firm/Institution: Mars Group Services
Address: 132-133 Fairlie Road, Slough, Berkshire SL1 4PY,
UNITED KINGDOM
Telephone: 0753-30721
Telex: 847402

II. HARDWARE REQUIREMENTS
COMPUTERS: The system operates on: ICL DRS SUPERBRAIN or Signet. The software package is sold complete with hardware.

The software package is implementable on a micro computer.
Configuration: Intertec Data Systems, SUPERBRAIN.

Memory size: 64K
Disk drives: 5MB 1 unit - 80MB
Tape drives: Backup
Terminals: 1 - 64
Printers: 1 - 64

III. SOFTWARE - OPERATING SYSTEM
Name: CP/M
Record Management System (RMS): Index sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 50,000 chars
Maximum number of records: 270,000
Maximum number of fields/record: N/A

The system's command language is: English

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 8.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Search-term truncation, Adjacency of search terms, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query.

Print generator: Sort, KWIC-KWOC, Statistics, Indexing, Word processing.

Acquisition functions: Preliminary search, Document creation, Displaying the document.

Catalog functions: Create, Remove, Print catalogs, Correct, Add.

Documentation: Available in English; Operations manual, User

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guide, Training manual.

System is available in North America, Europe.

Warranty: 3 months

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $10,001 - $50,000
Price range of hardware: $10,001 - $50,000

Special terms for developing countries: None

Number of installations: 10
*Locations: UK.

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I. GENERAL FEATURES

SYSTEM NAME: Issue System Simulation

Acronym: I.S.S. (*)

Version: 3 Release date: Sep. 82

BACKGROUND and PRIMARY OBJECTIVES:
Previous versions have been used for the past 4 years. Courses are given to students in the department. The system demonstrates the main features of a machine-based circulation control system.

GENERAL DESCRIPTION, MAIN FEATURES:
Application: Teaching library management & data processing
Uses 5 digit (4 + 1 check digit) user & book numbers to identify items. Performs issue, return, reservation and items on loan by borrower and by function , and associated checks on data entry validity.

PRODUCER:
Name: Gwyneth Tseng
Address: Dept. of Library & Information Studies, Loughborough University, Loughborough, Leics LE11 3TU, UNITED KINGDOM
Telephone: Loughbough 263171, Ext. 5099

For additional information contact:
Name: Gwyneth Tseng
Firm/Institution: Dept. of Library & Information Studies
Address: Loughborough University, Loughborough, Leics LE11 3TU, UNITED KINGDOM
Telephone: Loughborough 263171, Ext. 5099
Telex: 34319

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: DIGICO M28 minicomputer and the SUPERBRAIN microcomputer.

The software package is implementable on a mini computer.
Configuration: Digico P.L.C., M28.

Memory size: 64K
Disk drives: 1/2M 1 unit
Terminals: 1 - 16

III. SOFTWARE - OPERATING SYSTEM

Name: Digico M28; CP/M
Compilers: Basic, MBASIC
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 190 characters
Maximum number of records: 100 X 2 files (but could be expanded)
Maximum number of fields/record: N/A

The system's command language is: English, no other languages available.

Online operations; Number of terminals: 16.

Type of system capability: multiple file.

Data entry and revision functions: Insert new text, Data validation, Delete text, Find text.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Reserving an item.

Documentation: Available in English; Systems manual.

Special applications: Teaching.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000
Conditions (for source code): Availability of suitable hardware.
Price range of hardware: $10,001 - $50,000

Number of installations: 1
*Locations: In-house.

I. GENERAL FEATURES

SYSTEM NAME: Integrated Library System (TM)

Acronym: ILS (TM)

Version: 2.2 Release date: Feb. 83

BACKGROUND and PRIMARY OBJECTIVES:
Integrated library system to support all library functions. Effort initiated in 1977. Initially operational at Army Library, Pentagon, USA, in April 1980.

GENERAL DESCRIPTION, MAIN FEATURES:
The Integrated Library System presently supports: Circulation; Online Public Catalog Access; Bibliographic and Authority File Control; Full MARC compatibility; Serials check-in; Reports; and includes the following Subsystems: Online HELP; Electronic Mail; InterProcessor Communications (IPC), Issues Tracking (ITS), and System Documentation/Manuals.

PRODUCER:
Name: Lister Hill National Center for Biomedical Communication (LHNCBC), National Library of Medicine
Address: 8600 Rockville Pike, Bethesda, MD 20209, U.S.A.
Telephone: (301)496-1936
Telex: 710-824-9616

VENDOR:
Name: AVATAR Systems
Address: 11325 Seven Locks Road, Suite £205, Potomac, MD 20854, U.S.A.
Telephone: (301)983-8900

Name: Online Computer Systems (OCS), Inc.
Address: 2010 Century Blvd., Suite 101, Germantown, MD 20874, U.S.A.
Telephone: (301)428-3700

For additional information contact:
Name: Charles M. Goldstein
Title: Chief, Information Technology Branch
Firm/Institution: Lister Hill National Center for Biomedical Communication (LHNCBC), National Library of Medicine
Address: 8600 Rockville Pike, Bethesda, MD 20209, U.S.A.
Telephone: (301)496-1936
Telex: 710-824-9616

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II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: ECLIPSE-MV6000, PDP 11 all models, IBM Series-1.

The software package is implementable on a mini computer. Configuration: Data General, ECLIPSE MV6000.

Memory size: 64KB
Disk drives: Program storage: ca. 1MB; Bibliographic Records: ca. 2,000 bytes each
Tape drives: 1
Terminals: 1 or more

Other peripheral equipment: Bar Code Reader (optional) and Bar Code Printer (optional).

III. SOFTWARE - OPERATING SYSTEM

Name: MIIS, by Meditech, Inc. Proprietary Version of MUMPS
Compilers:, MUMPS Interpretative
Record Management System (RMS): DBMS
Name of DBMS: MUMPS Balance B-Tree RMS

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 255 bytes/node - no limit on nodes
Maximum number of records: no limit
Maximum number of fields/record: no limit

The system's command language is: MIIS/MUMPS, no other languages available.

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 1 up to 32, 64, ... depends on hardware - no upper limit.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files.

Features of query language: Boolean operators, Search-term truncation, Thesaurus, Field-based search, Full-text search, (Natural Language Query capability under development).

Search functions: Display dictionary, Postings, Show results on screen, Divided catalog (unlimited divisions), Authority file entries, cross-references.

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Catalog functions: Create, Remove, Review, Edit (full screen or line mode).

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies, Shelf Function: Statistics on in-house usage; Cart Function: tracks items on book carts.

Documentation: Available in English; Systems manual, User guide, File Documentation, Program documentation, and System Overview. Bibliography available through the U.S. National Technical Information Service (NTIS).

System is available in, Presently two ILS vendors in USA. MIIS/MUMPS expertise in many countries.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $5,001 - $10,000
Price range of hardware: $50,001 - $100,000

Number of installations: 10

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I. GENERAL FEATURES

SYSTEM NAME: INMAGIC(r)

Acronym: INMAGIC (*)

Version: V.6 Release date: 83

BACKGROUND and PRIMARY OBJECTIVES:
INMAGIC, designed by WEA for its own use in meeting client needs, became part of the software industry with the first installation in late 1980 at a client's place of business. INMAGIC was designed to be user operated, without having to call on data processing personnel in a wide number of situations. INMAGIC is particularly useful to those who want to organize and have access to a lot of text material in the form of documents, books, films, drawings, etc. INMAGIC is regularly enhanced under its UPDATE program.

GENERAL DESCRIPTION, MAIN FEATURES:
INMAGIC, an interactive data management program, provides fast direct access to variable length text records. An applications generating tool, it is easily learned by non-technical users who may create individual data bases online. The program features five environments, DEFINE, MAINTAIN, SELECT, SORT, AUDIT, and a Report Generator. Especially powerful for text searching via AND, OR, NOT combinations, you can also retrieve words or parts of words in any field whether indexed or not, and find records based on comparisons such as equals, greater than or less than.

PRODUCER:
Name: Warner-Eddison Associates, Inc. (WEA)
Address: 186 Alewife Brook Parkway, Cambridge, MA 02138. U.S.A.
Telephone: 617-661-8124
Telex: 710-320-0094

For additional information contact:
Name: Madeline Miele
Title: V.P. Marketing and Sales
Firm/Institution: Warner-Eddison Associates, Inc. (WEA)
Address: 186 Alewife Brock Parkway, Cambridge, MA 02138, U.S.A.
Telephone: 617-661-8124
Telex: 710-320-0094

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: PDP 11 series, DEC 10 and DEC 20, Hewlett Packard 1000 and 3000 and IBM mini-computers.

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The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, VAX 11, All models.

III. SOFTWARE - OPERATING SYSTEM
Name: RT-11, TSX-PLUS, RSX/11M, RSTS, VMS, TOPS

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: none
Maximum number of records: System dependent
Maximum number of fields/record: 75 fields, unlimited number of subfields for each field

The system's command language is: English

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: Depends on hardware and operating system.

Type of system capability: multiple file, simultaneous file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Insert text from external files.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full text search, Nesting of instructions.

Search functions: Postings, Show results on screen, Save query, Revise query, Return query, Sort and print results.

Print generator: Sort, KWIC-KWOC, Indexing, Forms, Editing a format.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies, Budget control.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items,

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Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in English; User guide, Applications manuals.

Special applications: BIBLIO - Special Library Management. INCASE - Law Office Document Management. INDUSTRY - Engineering Department Document Management

User can add application programs.
System is available without geographic limitations.
Warranty: 90 days.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $10,001 - $50,000
Number of installations: 30
*Locations: Installation list available from WEA and provided as references to prospective clients. Countries include USA, Saudi Arabia, England, Malaysia, New Zealand.

I. GENERAL FEATURES

SYSTEM NAME: INQUIRE(R)

Acronym: INQUIRE

Version: INQUIRE R13 Release date: Nov. 81

BACKGROUND and PRIMARY OBJECTIVES:
INQUIRE was originally released in 1969 as a user-oriented, direct access information retrieval system. AVOCON, for Automated Vocabulary Control (a thesaurus processor) was added later. Objectives are to provide an end-user tool for data entry, retrieval, maintenance of all types of information in a single, comprehensive package.

GENERAL DESCRIPTION, MAIN FEATURES:
INQUIRE is an Information Resource Management System, incorporating in a single, comprehensive approach a non-procedural user language, full text indexing and retrieval, relational data base management, and distributed data base. Because of the ability to integrate text and structured data in one system, INQUIRE has been heavily used in library applications, records management, litigation support, correspondence control, etc.

PRODUCER:
Name: Infodata Systems Inc.
Address: 5205 Leesburg Pike, Falls Church, VA 22041, U.S.A.
Telephone: 703-578-3430
Telex: 899-125

For additional information contact:
Name: Harry Kaplowitz
Title: Executive Vice President
Firm/Institution: Infodata Systems Inc.
Address: 5205 Leesburg Pike, Falls Church, VA 22041, U.S.A.
Telephone: 703-578-3430
Telex: 899-125

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370, IBM 30XX, IBM 4300.

Memory size: 250K - User chosen
Disk drives: 1 - User chosen
Tape drives: 1 - 1
Terminals: User chosen
Printers: User chosen

III. SOFTWARE - OPERATING SYSTEM

Name: MVS, VS/1 or VM/CMS
Record Management System (RMS): DBMS
Name of DBMS: INQUIRE
Utilities: Sort.

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IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: 32767 & overflows of 32767
Maximum number of records: 16,777,215
Maximum number of fields/record: 1,000

The system's command language is: English, User-written through high-level macro facility

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: as many as operating system supports.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Data validation, Full screen edit.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode, KWIC-KWOC, Statistics, Indexing, Forms.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

User can add application programs.
System is available without geographic limitations.
Warranty: 6 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $50,001 - $100,000

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Number of installations: 300
*Locations: Agency for International Development, Washington, D.C., U.S.A.; Ciba-Geigy Corporation AG, Basel, Switzerland; Food and Agriculture Organization, Rome, Italy.

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I. GENERAL FEATURES

SYSTEM NAME: Instant Retrieval Information System

Acronym: IRIS

Version: 8.1 Release date: Jan. 82

BACKGROUND and PRIMARY OBJECTIVES:
The development of IRIS began 4 years ago in Israel with the aim of creating a software package which would minimise the use of programmers. Thus the intention was that IRIS would operate with or without programmers at all. An end-user, without programming knowledge, can create a complete system consisting of data-dictionary, input screens, updating, profiles, sorting, individual information retrieval, (statistics, connections between files, changes in the file structure, global manipulation of files).

GENERAL DESCRIPTION, MAIN FEATURES:
Data-dictionary creation - characterisation of data base items. These include regular and logical data examination. Automatic screen set-up. The treatment of data entry includes cancellation, update retrieval, and record typing according to key fields or conditions. Connection between files in online and batch processing, retrieval from tables, updating of several files simultaneously. Detailed reports, with convenient handling of record selection, sorting order, editing summaries and break-levels. Statistical reports in the form of a two dimentional table, or histograms. All options of file maintenance in the hands of end-users, including global manipulations, merging and splitting of files, data entry into archives.

PRODUCER:
Name: I.S. Ltd.
Address: P.O.B. 36929, Tel-Aviv 61368, ISRAEL
Telex: 341118 BXTV EXT. 1085

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: DEC PDP 11, VAX, and mini-computers of IBM, WANG, Radio-Shack, OSBORNE, ALTOS. The system also operates on micros with CP/M, MSDOS.

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, All models.

Memory size: 192K
Disk drives: 1MB 1 unit
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M, MSDOS, RSTS/E, RSX, VMS

Record Management System (RMS): Index sequential
Utilities: Sort, global update and cancellation, merging and splitting of files, data transformation, index recovery.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed
Maximum record length: s 2800, S 12
Maximum number of records: 32000,unlimited
Maximum number of fields/record: 80, 150

The system's command language is: English, Hebrew, any language written from right to left or from left to right. End-user can translate the command language to any language he wishes

Batch operations.
Online operations; Number of terminals: As many as operating system supports.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Full-text search, Nesting of instructions, Substrings.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query.

Print generator: Sort, Statistics, Indexing, Forms, Editing a format, Visicalc, Reports.

Acquisition functions: Preliminary search, Skip (in create prompt mode), Displaying the document, Multiple copies.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Multiple copies.

Documentation: Systems manual, Utilities manual, Training manual.

User can add application programs.
System is available without geographic limitations.
Warranty: 12 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: More than $100,000 *Object Code: $5,001 - $10,000
Price range of hardware: $10,001 - $50,000

Special terms for developing countries: 10% reduction

Number of installations: 1000
*Locations: Victor Business Products, 3900 N Rockwell Str., Chicago IL 60618 USA; ELBIT P.O.B. 5390 Haifa Israel; Israel Defence Forces.

I. GENERAL FEATURES

SYSTEM NAME: Programming System AIDOS DOS/ES

Acronym: IRS AIDOS DOS/ES

Version: 3.10 Release date: June 75

BACKGROUND and PRIMARY OBJECTIVES:
The system was developed for use in the field of information and documentation. It was adapted in various information centres within the G.D.R. and in the international centre ICSTI/Moscow, where it was disseminated to the various members of that organisation. The aim of AIDOS-system is its application in all areas of management, economics, technology, medicine etc. AIDOS is a rationalisation and automation tool for information processes in enterprises, national and international information systems.

GENERAL DESCRIPTION, MAIN FEATURES:
AIDOS DOS/ES supports the handling of a data base with inverted storage. Different thesauri and classification systems may be used. Data entry is supported by data definition tables and data integrity/data validation checking. Retrieval is possible in batch mode by way of retrospective search or selective dissemination of information. The structural relations of the thesaurus are used in retrieval. The editing and output means permit creation of various lists and tables of relevant information.

PRODUCER:
Name: VEB Kombinat Robotron
Address: Leningrader Strasse, PSF 330, 8012 Dresden, GERMAN DEMOCRATIC REPUBLIC
Telex: 26063

For additional information contact:
Name: Prof. Dr.-Ing. Wilem
Title: Director
Firm/Institution: VEB Robotron, Zentrum fuer Forschung und Technik
Address: Leningrader Strasse, PSF 330, 8012 Dresden, GERMAN DEMOCRATIC REPUBLIC
Telex: 26063

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: EC 1020, EC 1033, EC 1035, EC 1040, EC 1055 and IBM 360.

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The software package is implementable on a mainframe computer. Configuration: VEB Robotron, EC 1020, EC 1033, EC 1035, EC 1040, EC 1055.

Memory size: 128K - not limited
Disk drives: Min. 29MB 1 unit
Tape drives: 4 - 8
Terminals: Max. 16
Printers: 1

Other peripheral equipment: COM, Digiset.

III. SOFTWARE - OPERATING SYSTEM

Name: DOS/ES
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 3600 bytes
Maximum number of records: not limited
Maximum number of fields/record: not limited

The system's command language is: German, English, Russian, Every one with adequate alphabet

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 16.

Type of system capability: multiple file, simultaneous file search, single file search.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search.

Search functions: Display dictionary, Print or display results.

Print generator: Sort, Statistics, Indexing, Forms, Editing a format.

Catalog functions: Create.

Documentation: Systems manual, Reference manual, Operations manual, User guide.

User can add application programs.
System is available without geographic limitations.
Warranty: 12 months.

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System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $5,001 - $10,000
Number of installations: 90
*Locations: G.D.R., Soviet Union, CSSR.

I. GENERAL FEATURES

SYSTEM NAME: JLB-DOC

Acronym: JLB-DOC (*)

Version: V02 Release date: July 82

BACKGROUND and PRIMARY OBJECTIVES:
JLB-DOC is a software system for information retrieval on textual data bases.

GENERAL DESCRIPTION, MAIN FEATURES:
This interactive system operates on CII - Honeywell Bull Mini 6 computer. It can manage up to 16 data bases simultaneously with each containing up to 500,000 documents. The system can handle hierarchy, synonyms, neighborhoods, etc. between keywords or thesaurus file.

PRODUCER:
Name: JLB Informatique
Address: 101 Av. du Vieux Chemin de Saint Denis, Gennevilliers
92230, FRANCE
Telephone: 799-75-40

For additional information contact:
Name: Lafleche Jean-Luc
Title: Président
Firm/Institution: JLB Informatique
Address: 101 Av. du Vieux Chemin de Saint Denis, Gennevilliers
92230, FRANCE
Telephone: 799-75-40
Telex: 610808

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Honeywell Information Systems, DPS 6.

Memory size: 48KW - limit of mini 6
Disk drives: 10MB 2 units - limit of mini 6
Terminals: 1 - limit of mini 6
Printers: 1 - limit of mini 6

III. SOFTWARE - OPERATING SYSTEM

Name: GCOS 6 mode 400
Compilers: Assembler, DTF

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 8KB
Maximum number of records: 500,000 for one base

The system's command language is: Specific language, no other

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languages available.

Thesaurus maintenance.
Online operations; Number of terminals: 16 (can be increased).

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Return query.

Acquisition functions: Preliminary search, Document creation, Displaying the document.

Documentation: Available in French; Systems manual, Utilities manual, Operations manual, User guide.

User can add application programs.
System is available in Europe.

Warranty: Six months free.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $5,001 - $10,000
Number of installations: 1
*Locations: Préfecture de Paris, 50 Avenue Daumesnil, 75012 Paris, France.

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I. GENERAL FEATURES

SYSTEM NAME: KREATEK: [Data Bank for Creativity Sciences]

Acronym: KREATEK (*)

BACKGROUND and PRIMARY OBJECTIVES:
Nova Status is a system for the computer and law departments at the Oslo University. A collaboration between the Institute for Creativity Science and the Institute for Private Rights made the constitution of the Kreatek Data base possible.

GENERAL DESCRIPTION, MAIN FEATURES:
Documents are registered by Nova Status online. Both classification system and key word system are used for the registration. The record: Usual bibliographical data; Classification data (first zone); Key word field from the text and the page number.

PRODUCER:
Name: Nova Status, University of Oslo
Address: Niels Juels Gate 16, Oslo 1, NORWAY

For additional information contact:
Name: Jon Bing Am
Title: Doct Amanuensis Jurist
Firm/Institution: University of Oslo
Address: Niels Juels Gate 16, Oslo 1, NORWAY

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: The computer of the University of Oslo.

III. SOFTWARE - OPERATING SYSTEM

Name: Nova Status
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable

The system's command language is: English, Norwegian

Thesaurus maintenance.
Online operations; Number of terminals: 10.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Copy text.

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Features of query language: Boolean operators, Thesaurus, Full-text search.

Search functions: Print results.

Print generator: Statistics.

Acquisition functions: Document creation.

Catalog functions: Multiple copies.

Documentation: Available in English, French, Norwegien, German.

User can add application programs.
System is available in Europe.

There is warranty.

System update and/or maintenance is available.

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I. GENERAL FEATURES

SYSTEM NAME: Library Information System

Acronym: L.I.S.

Version: 3 Release date: Jan. 79

BACKGROUND and PRIMARY OBJECTIVES:
Online library information system for medium scale libraries. The system was produced for the Israeli MOD in Jan. 1979.

GENERAL DESCRIPTION, MAIN FEATURES:
LIS is a unique computer system designed specially to assist managing a library. The library can be of any type. Any collection of items that can be classified and cataloged can be regarded as a library. It is up to the user to decide what is to be included in the library. LIS functions: Data entry, Retrieval by keywords, Circulation, Thesaurus, Tree-scanning, Information security.

PRODUCER:
Name: Evyatar Systems Ltd
Address: Dov Hos, Kfar Saba 44356, ISRAEL
Telephone: 052-47410

For additional information contact:
Name: Evyatar Shayevitz
Title: General Manager
Firm/Institution: Evyatar Systems Ltd
Address: Dov Hos, Kfar Saba 44356, ISRAEL
Telephone: 052-47410

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Data General, NOVA/ECLIPSE, All models.

Memory size: 32KW
Disk drives: 5MB 1 unit - unlimited
Tape drives: 1 - 1
Terminals: 1 - 1
Printers: 1 - 1

III. SOFTWARE - OPERATING SYSTEM

Name: RDOS
Record Management System (RMS): DBMS
Name of DBMS: LIS DBMS
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: unlimited
Maximum number of records: unlimited
Maximum number of fields/record: unlimited

The system's command language is: English, Hebrew (It can be changed easily to any language)

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Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 1.

Type of system capability: multiple file, simultaneous file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Full screen edit, Cancel latest revisions, Move text, Copy text.

Features of query language: Boolean operators, Thesaurus, Field-based search.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Indexing, Forms.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document.

Catalog functions: Create, Remove, Print catalogs, Correct, Add.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation field codes, Interlibrary loan.

Documentation: Available in English; Systems manual, Operations manual, User guide.

Special applications: Tree-scanning keywords may be grouped in-to families. When the librarian associates an item with a "son"keyword it is automatically associated also with its "father"keywords. The inter-relations among keywords can be very complex and resemble a hierarchical network structure.

System is available without geographic limitations.
Warranty: Six months.

System update and/or maintenance is available.

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V. COST, INSTALLATION

Price range of software:

*Source Code: Up to $5,000 *Object Code: $10,001 - $50,000

Price range of hardware: $10,001 - $50,000

Number of installations: 7

*Locations: Israeli MOD; Israeli Aircraft Industries; Data-Lab Corporation 200 W. Monroe Chicago U.S.A.

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I. GENERAL FEATURES

SYSTEM NAME: Library Circulation System

Acronym: LCS (*)

BACKGROUND and PRIMARY OBJECTIVES:
Objectives: to provide a flexible, efficient method of circulation control for an academic library, using current technology, with the ability to meet a wide variety of management information needs.

GENERAL DESCRIPTION, MAIN FEATURES:
System is independent of size of item and patron files and is not affected by the number of terminals or the volume of transactions. Extension of the system to remote locations is easy. Transactions are handled on line by wanding barcode data for patron and/or book. Appropriate notices, book reports and online messages are automatically generated. The handling of requests, problems, etc., is done through a maintenance function. When the 3031 is unavailable, the 8130 is used to capture transactions for later online relay to the main files.

PRODUCER:
Name: McMaster University
Address: 1280 Main Street West, Hamilton, Ontario L8S 4L6, CANADA
Telephone: 416-525-9140

For additional information contact:
Name: Mrs. Marju Kraav
Title: Assoc. Univ. Librarian, Systems Devel.
Firm/Institution: McMaster University Library
Address: 1280 Main Street West, Hamilton, Ontario L8S 4L6, CANADA
Telephone: 416-525-9140, ext. 4356

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 3031, IBM 8130, IBM PCM Computers and AMDAHL.

The software package is implementable on a mainframe computer. Configuration: IBM, IBM 3031, IBM 8130.

Memory size: 2MEG (application under IMS)
Disk drives: 2MB 2 units (varying on number of books)
Tape drives: 2
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: MVS
Record Management System (RMS): DBMS
Name of DBMS: IMS DB/DC
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable

The system's command language is: English, no other languages available.

Batch operations.
Online operations.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text.

Search functions: Show results on screen.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in English; Operations manual, User guide.

User can add application programs.
System is available in, Installation only.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $10,001 - $50,000
Special terms for developing countries: Not yet set

Number of installations: 1
*Locations: McMaster University Library.

I. GENERAL FEATURES

SYSTEM NAME: Library Electoronic Acquisitions Program

Acronym: LEAP

Version: 2.0 Release date: July 80

BACKGROUND and PRIMARY OBJECTIVES:
The system was written to provide acquisition fund accounting, online entry of orders, automated printing of purchase orders, online reports on outstanding orders, and automated printing of acquisition lists.

GENERAL DESCRIPTION, MAIN FEATURES:
LEAP consists of 9 sub-programs, with each sub-program describing a function relating to main application: Adding a record, Printing purchasing orders, Receiving or cancelling an order, Searching for a record, Modifying a record, Updating the Fund Account, Fund Account reporting, Updating the vendor file, Acquisitions list.

PRODUCER:
Name: Saskatchewan Technical Institute, Computer Centre
Address: P.O.B. 1420, Moose Jaw, Saskatchewan S6H 4R4, CANADA
Telephone: 306-693-8236

For additional information contact:
Name: Kenneth P. Sagal
Title: Head Librarian
Firm/Institution: Saskatchewan Technical Institute, Computer Centre
Address: P.O.B. 1420, Moose Jaw, Saskatchewan S6H 4R4, CANADA
Telephone: 306-693-8236

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11/70.

Disk drives: 1 partial
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: RSTS version 7.2
Compilers:, BASIC PLUS 2
Record Management System (RMS): Index sequential

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: 428 characters plus 300 characters on 9 keyed fields
Maximum number of records: 5000
Maximum number of fields/record: 14

The system's command language is: RSTS, no other languages available.

Batch operations.
Online operations; Number of terminals: 1.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Copy text.

Features of query language: Search-term truncation, Field-based search.

Search functions: Show results on screen, Print results.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies, Budget control.

Documentation: Available in English; User guide.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: No charge *Object Code: No charge
Conditions (for source code): Requestor must supply a blank magnetic tape (9 track) - 400 ft is sufficient.
Number of installations: 2
*Locations: Saskatchewan Technical Institute Library, Moose Jaw, Canada; Wascana Institute Library, Saskatoon, Canada.

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I. GENERAL FEATURES

SYSTEM NAME: LEXICO

Acronym: LEXICO

Version: 1.5 Release date: May 80

BACKGROUND and PRIMARY OBJECTIVES:
LEXICO is a dynamic thesaurus/vocabulary management system developed to handle the creation, maintenance and printing of thesauri in a completely interactive mode.

GENERAL DESCRIPTION, MAIN FEATURES:
LEXICO thesaurus management system provides a means to capture data related to the construction and maintenance of thesauri/vocabularies. Special features include protocols tailored to meet the user's thesaurus requirements, automated cross-posting, no maximum character length of thesauri, no limits on hierarchical levels. Automaticly assigns alphabetic sequence as terms are entered and requires no computer expertise on the part of the user (Lexicographer).

PRODUCER:
Name: Project Management, Inc.
Address: 6317 Poe Rd., Bethesda, MD 20817, U.S.A.
Telephone: 301-469-9001

For additional information contact:
Name: K. P. Nair
Title: V.P.
Firm/Institution: Project Management, Inc.
Address: 6317 Poe Rd., Bethesda, MD 20817, U.S.A.
Telephone: 301-469-9001

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: DEC PDP 11/70, VAX 11/780 and any mainframe computer that supports Fortran 77.

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11/70, VAX 11/780.

Memory size: 64KB (minimum)
Terminals: Multi-terminal

III. SOFTWARE - OPERATING SYSTEM

Name: UNIX, RSX/IIM+, VAX/VMS
Record Management System (RMS): Relative direct access
Utilities: Sort, Sort not mandatory - internal sort may be used.

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IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: no limit
Maximum number of records: no limit
Maximum number of fields/record: no limit

The system's command language is: English, Any language with ASCII based ISO standard

Thesaurus maintenance.
Online operations; Number of terminals: System limits.

Type of system capability: multiple file.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Cancel latest revisions, Insert text from external files.

Features of query language: Search-term truncation, Thesaurus.

Search functions: Display dictionary, Postings, Show results on screen, Print results.

Print generator: Sort, KWIC-KWOC, Statistics, Indexing, Hierarchy displays, Micro-thesaurus generarion.

Acquisition functions: Document creation, Displaying the document.

Documentation: Available in English; Systems manual, User guide.

Special applications: Thesaurus creation, maintenance + output; Multi-thesaurus options.

User can add application programs.
Warranty: 1 Year.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Price range of hardware: $50,001 - $100,000

Number of installations: 4
*Locations: Metropolitan Washington, DC (USA)

I. GENERAL FEATURES

SYSTEM NAME: Library Information System

Acronym: LIBRIS

Version: III Release date: June 80

BACKGROUND and PRIMARY OBJECTIVES:
LIBRIS is a data communication and processing system for the Swedish research libraries. The first version started running in 1972. The third version has been running since 1980. The system aims for a reduction of time-consuming cataloging and serves as an aid in the inter-library loan service.

GENERAL DESCRIPTION, MAIN FEATURES:
The system supports cataloging, catalog production, bibliographic searching, input of MARC and ISDS records. The system is built to handle large volumes of transactions and records and to connect many libraries nation wide. Users have special library VDU with extended character set or teletype.

PRODUCER:
Name: Swedish Agency for Administration Development
Address: P.O.B. 34107, Stockholm S-100 26, SWEDEN
Telephone: 08-738 40 00

VENDOR:
Name: Kungl Biblioteket (Royal Library)
Address: P.O.B. 5039, Stockholm S-102 41, SWEDEN
Telephone: 08-24 10 40

For additional information contact:
Name: Lennart Gardvall
Title: Director of Data Services
Firm/Institution: Kungl Biblioteket (Royal Library)
Address: P.O.B. 5039, Stockholm S-102 41, SWEDEN
Telephone: 08-24 10 40

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 303X, IBM 43XX.

Memory size: 2048KB
Disk drives: 317MB 4 units
Tape drives: 2
Terminals: 300
Printers: 2

Other peripheral equipment: COM and Laser printer.

III. SOFTWARE - OPERATING SYSTEM

Name: OS/VS
Record Management System (RMS): Relative direct access, DBMS
Name of DBMS: IMS

****

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 8000
Maximum number of records: No practical limit
Maximum number of fields/record: No practical limit

The system's command language is: Full text search with fixed form, no other languages available.

Batch operations.
Online operations; Number of terminals: 300.

Type of system capability: single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Save old text, Full screen edit, Real time updating.

Features of query language: Field-based search, Full-text search, Combination of search-terms.

Search functions: Postings, Show results on screen, Print results, Display linked records, display subset of fields.

Print generator: Sort, Decode, Statistics, Indexing, Editing a format.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in Swedish; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

User can add application programs.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $5,001 - $10,000 *Object Code: $5,001 - $10,000
Price range of hardware: More than $100,000

Number of installations: 1
*Locations: DAFA, Box 34101, S-100 26 Stockholm, Sweden.

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I. GENERAL FEATURES

SYSTEM NAME: A.R.A. Library Index System

Acronym: LIBSER

release date: 81

BACKGROUND and PRIMARY OBJECTIVES:
System developed from a manual keyword index of technical reports for aeronautics, to give quick retrieval of reports on specified subject or author.

GENERAL DESCRIPTION, MAIN FEATURES:
The system allows online searching for any combination of attributes (author, keyword etc.) on file. Ancillary programs allow file creation, amendment, sorting and printing.

PRODUCER:
Name: Aircraft Research Association Ltd
Address: Manton Lane, Bedford, Beds MK41 7PF, UNITED KINGDOM
Telephone: 0234-50681
Telex: 825056

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Prime Computer, PRIME 400.

Disk drives: 1
Tape drives: N/A
Terminals: 1 - 32
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: PRIMOS
Name of DBMS: N/A
Utilities: N/A.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 1024
Maximum number of records: N/A
Maximum number of fields/record: 8

The system's command language is: English, no other languages available.

Thesaurus maintenance.
Online operations; Number of terminals: 32.

Type of system capability: simultaneous file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Insert text from external files.

****

Features of query language: Boolean operators, Numerical search, Search-term truncation.

Search functions: Show results on screen, Print results.

Documentation: Available in None.

System is available in Europe.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Number of installations: 1
*Locations: In-house availability to outside users on application to producer.

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I. GENERAL FEATURES

SYSTEM NAME: Library Management Service

Acronym: LMS

BACKGROUND and PRIMARY OBJECTIVES:
The main purpose is to assist single user in searching documents in a library with the aid of a computer.

GENERAL DESCRIPTION, MAIN FEATURES:
This system provides the management of two files (articles and books).

PRODUCER:
Name: TP s.r.l.
Address: Interiano 1, Genova, ITALY

For additional information contact:
Name: Giorgio Saio
Title: Software Chief
Firm/Institution: TP s.r.l.
Address: Interiano 1, Genova, ITALY

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11/23, PDP 11/34, PDP 11/24, PDP 11/44, VAX 11/780, VAX 11/750, VAX 11/730.

Memory size: 128KB - 256KB
Disk drives: 10MB - 80MB
Terminals: 1 - 6
Printers: 1 - 2

III. SOFTWARE - OPERATING SYSTEM

Name: RSX 11 M V 32 - V. LO
Compilers:, DTR (Datatrieve program of DIGITAL)
Record Management System (RMS): Index sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum number of records: 32700
Maximum number of fields/record: 255

The system's command language is: English, or guide from menu list

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 4.

Type of system capability: simultaneous file search.

****

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Cancel latest revisions, Insert text from external files, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Return query.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; User guide.

Special applications: No.

User can add application programs.
System is available without geographic limitations.
Warranty: 12 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000
Price range of hardware: $50,001 - $100,000

Special terms for developing countries: No

Number of installations: 2
*Locations: In-house.

****

I. GENERAL FEATURES

SYSTEM NAME: Loughborough Universal Reference Retrieval and Indexing Instruction Database

Acronym: LURID

Version: 3 Release date: May 82

BACKGROUND and PRIMARY OBJECTIVES:
LURID was designed, June-December 1978 for development of bibliographical data base in library and information science. LURID provides online and batch systems support for indexing instruction and is extremely flexible as to descriptor languages and to investigate user-friendly systems.

GENERAL DESCRIPTION, MAIN FEATURES:
Bibliographical data base - records max lengh c.1500 alphanumeric characters, variable length fields with fixed field (16) directory. Multi-terminal access by VDU for staff and > 150 students per annum. Permanent files for search plus ephemeral files for student practice in indexing of monographs, journal articles, reports, serials and some non-book media. Descriptor fields include - titles, abstracts, manually assigned keywords & key phrases (nested); thesaurus terms; DDC/VDC; articulated subject indexing; Precis.

PRODUCER:
Name: Frederick Smith
Address: 4 Fairmount Drive, Loughborough LE11 3JR, UNITED KINGDOM

For additional information contact:
Name: Frederick Smith
Title: Lecturer
Firm/Institution: Loughborough University, Dept. of Library and Information Studies
Address: Ashby Road, Loughborough LE11 3TU, UNITED KINGDOM
Telephone: 0509-263171
Telex: 34319

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digico P.L.C., M28.

Memory size: 768K
Disk drives: 1 disk drive 11.4MB 1 unit - 2 disk drive 34.2MB 3 units
Tape drives: N/A
Terminals: 16 - 32
Printers: 1 - 2

III. SOFTWARE - OPERATING SYSTEM

Name: DIGICO, system manager

****

Record Management System (RMS): Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum number of records: 30,000
Maximum number of fields/record: 16/24

The system's command language is: English, French, German

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 16.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Copy text.

Features of query language: Boolean operators, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen.

Print generator: Sort, KWIC-KWOC, Indexing.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; User guide, VDU display formats.

Special applications: SDI.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

VI. COST, INSTALLATION
Price range of hardware: $50,001 - $100,000

Special terms for developing countries: N/A

Number of installations: 1
*Locations: In-house.

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I. GENERAL FEATURES

SYSTEM NAME: Microcomputer Emulation of Online Bibliographic Searching

Acronym: M.E.O.B.S.

Version: 1.0 Release date: Sep. 82

BACKGROUND and PRIMARY OBJECTIVES:
Primary objective is to produce an integrated teaching package for online bibliographic searching which will familiarize its users with a terminal as well as with the U.C. command language and searching techniques.

GENERAL DESCRIPTION, MAIN FEATURES:
The Package comprises 2 modules which take the user from an introduction to the U.C. command language through tutorial screens of information and question and answer exercises to free searches on a micro data base of about 120 records. The emulation is a true copy of DIALOG which behaves in every respect as the "real" system thus allowing strategy as well as use of advanced commands to be practiced without incurring the high costs associated with live online demonstration and hands-on tuition and practice.

PRODUCER:
Name: College of Librarianship, Wales
Address: Llanbadarn Fawr, Aberystwyth, Dyfed, Wales SY23 3AS, UNITED KINGDOM
Telephone: 0970-3181
Telex: 35391 (CLW G)

For additional information contact:
Name: C.J. Armstrong or Dr. J.A. Large
Firm/Institution: College of Librarianship Wales
Address: Llanbadarn Fawr, Aberystwyth, Dyfed, Wales SY23 3AS, UNITED KINGDOM
Telephone: 0970-3181
Telex: 35391 (CLW G)

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: Research Machine Ltd. 380Z and any CP/M based Micro Computer.

The software package is implementable on a micro computer.
Configuration: Research Machines Ltd., 380Z.

Memory size: 56K
Disk drives: 8 inch 2 units
Terminals: 1

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III. SOFTWARE - OPERATING SYSTEM
Name: CP/M
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: fixed & variable
Maximum record length: 255
Maximum number of records: 150

The system's command language is: English, no other languages available.

Online operations; Number of terminals: One.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Data validation.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results.

Print generator: Formatted output.

Documentation: Systems manual, User guide, Training manual.

System is available in, Postal.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: Up to $5,000
Special terms for developing countries: N/A

Number of installations: 1
*Locations: In-house.

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I. GENERAL FEATURES

SYSTEM NAME: Management of Israel Medical Libraries Online

Acronym: MAIMON

release date: June 79

BACKGROUND and PRIMARY OBJECTIVES:
During the 1970's the collection size and users' demands had increased to the point that the library staff was almost totally engaged in housekeeping. In order to free the professionals for use in a more efficient manner, it was decided to computerize. In 1978 an analyst/programmer joined the staff of the library. Users (librarians and patrons) participated in every stage of development, planning, testing and conversion. The system became operational in June, 1979. The objective was to develop an entirely online integrated system for all library functions on a mini-computer. The system was to be foremost user-oriented (simple-to-use and responsive to the ways users look for information). All relevant information is available in one search for libraries and users alike. Management tools (statistical evaluation, reports, etc.) are also integrated into the system. Both librarians and readers are still actively involved in the system's development evaluation. MAIMON was the first integrated online system on a dedicated mini-computer to be operational in a University library.

GENERAL DESCRIPTION, MAIN FEATURES:
The MAIMON system integrates all functions of the library including: public retrieval, cataloguing, serials control, circulation and acquisitons. It is a multi-user, random access, time-sharing system (entirely online). The system is stand alone on a dedicated mini-computer. It gives online access to all book, audiovisual and periodical collections as well as referral and directory information.

PRODUCER:
Name: Muriel and Philip Berman National Medical Library
Address: Ein Kerem, Jerusalem 91010, ISRAEL
Telephone: 02-428795
Telex: 26132 MULMD IL

For additional information contact:
Name: Dr. Deborah Avriel
Title: Director
Firm/Institution: Muriel and Philip Berman National Medical Library
Address: Ein Kerem, Jerusalem 91010, ISRAEL
Telephone: 02-428795
Telex: 26132 MULMD IL

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: PDP 11/34. The sofware requires hardware accepting MUMPS operating system or DMS-11 system.

The software package is implementable on a mini computer. Configuration: Digital Equipment Corp., PDP 11/34.

Memory size: 256KB
Disk drives: 2 X RK07 (54MB)
Tape drives: 1 - TS-03
Terminals: 16
Printers: 1

Other peripheral equipment: Barcode reader with microprocessor (portable data capture unit), line printer (Printronix for two alphabets + barcodes).

III. SOFTWARE - OPERATING SYSTEM

Name: DSM Software Package. It is a multi-user, time-sharing, interpretive data base management sytem
Others: B-trees, file configuration with sort implicit
Utilities: backup, verification and reporting.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 255
Maximum number of records: No maximum

The system's command lang[illegible]ge is: English & Hebrew

Thesaurus maintenance.
Online operations; Number of terminals: 16 of video display terminals + 1 hardcopy terminal + printer.

Type of system capability: simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation.

Search functions: Display dictionary, Postings, Show results on screen, Print results.

Print generator: Sort, KWIC-KWOC, Statistics, Indexing, Forms.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies, Budget control.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan.

Documentation: Available in English; Utilities manual, Reference manual, User guide.

User can add application programs.
System is available without geographic limitations.
Warranty: To be negotiated.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $5,001 - $10,000
Conditions (for source code): Not set, open to negotiations.
Price range of hardware: $50,001 - $100,000

Special terms for developing countries: Negotiable

Number of installations: 2
*Locations: Hadassah Medical Library, Ein Kerem, Jerusalem; Hadassah Medical Library, Mt. Scopus, Jerusalem.

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I. GENERAL FEATURES

SYSTEM NAME: Matrix Transaction Exchange

Acronym: MATRIX

Version: 1.1 Release date: Mar. 82

BACKGROUND and PRIMARY OBJECTIVES:
CIC delivers strategic services. Systems, and consulting to associations, corporations, and industry. CIC is involved in the design and implementation of voice/data networks, PBX systems, and other advanced office information systems and telecommunications. CIC conducts seminars in tele/conferencing, telematics, and information systems. CIC also provides computer timesharing services available via GTE Telenet worldwide.

GENERAL DESCRIPTION, MAIN FEATURES:
MATRIX is an innovative computer tele/conferencing system with enhanced 'friendly' menu-based with advanced features such as electronic mail, bulletin board, and computer text conferencing. MATRIX has over 166 menu options, online "HELP", directory, and search features. MATRIX conferencing provides for unlimited members, unlimited conferences, and unlimited discussions as well as unlimited personal memo areas. Conferencing is a sophisticated system for electronic online meetings without regard to time zones and geographic locations. This technique has proven to be highly effective for any type of communications.

PRODUCER:
Name: Cross Information Company
Address: 934 Pearl - Suite B, Boulder, CO, U.S.A.
Telephone: 303-499-8888

For additional information contact:
Name: Thomas B. Cross
Title: Director
Firm/Institution: Cross Information Company
Address: 934 Pearl - Suite B, Boulder, CO
Telephone: 303-499-8888

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: all models of PDP 11, VAX 11, DEC 20.

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, All models.

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Memory size: 32K
Disk drives: No minimum, though 1MB suggested
Tape drives: NA
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM
Name: ARSTS-E, RSX-11M, RSX-11M+, IAS
Record Management System (RMS): Index sequential

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric, graphic

The system's command language is: English

Online operations; Number of terminals: 24.

Type of system capability: simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Search-term truncation.

Search functions: Display dictionary.

Print generator: Indexing, Forms, Word processing.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies.

Catalog functions: Create, Print catalogs, Correct, Add.

Documentation: Available in English (though will translate as needed); Systems manual, Reference manual, Operations manual, User guide, Training manual.

Special applications: There is a wide range of applications for MATRIX. We have developed applications articles showing how it can be used for: 1) Improving software programmer productivity. 2) Managing the sales/marketing department. 3) Education and training. 4) Peace and conflict management. 5) Telecommunications management. 6) General corporate management. 7) Planning.

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User can add application programs.
System is available without geographic limitations.
Warranty: 1 year.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $5,001 - $10,000
Price range of hardware: $10,001 - $50,000

Special terms for developing countries: Yes, will assist as needed

Number of installations: 5
*Locations: Information is confidential.

I. GENERAL FEATURES

SYSTEM NAME: Medical Literature Analysis and Retrieval System (MEDLARS)

Acronym: MEDLARS

Version: 3.2A Release date: June 81

BACKGROUND and PRIMARY OBJECTIVES:
MEDLARS II is a third generation computer retrieval system that began with the AIM/TWX experiment in 1970 and evolved through to the present system. The system was originally developed by SDC (System Development Corporation) in 1975 and has been heavily modified since. The purpose of the system is to provide online interactive access to the literature of biomedicine and other related areas.

GENERAL DESCRIPTION, MAIN FEATURES:
The Medical Literature Analysis and Retrieval System (MEDLARS) contains, in 18 data bases, citations to the literature of biomedicine, toxicology, cancer research, population research, health planning, bioethics, and the history of medicine. The software used to operate the system is ELHILL. In addition to bibliographic data bases, the system also supports data banks, cataloging files, and serials files. MEDLINE is the most frequently used data base on the system and covers biomedical journal citations from 1966. Over 1800 organizations search MEDLARS in the United States. Non-United States access is provided through various organizations throughout the world which access the NLM computer directly or receive tapes.

PRODUCER:
Name: System Development Corporation
Address: 2500 Colorado Avenue, Santa Monica, CA 91340, U.S.A.

VENDOR:
Name: National Library of Medicine
Address: 8600 Rockville Pike, Bethesda, MD 20209, U.S.A.
Telephone: 301-496-3497
Telex: 710-824-9616

For additional information contact:
Name: Lois Ann Colaianni
Title: Acting Associate Director for Library Operations
Firm/Institution: National Library of Medicine
Address: 8600 Rockville Pike, Bethesda, MD 20209, U.S.A.
Telephone: 301-496-3497
Telex: 710-824-9616

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 3033 MP.

Memory size: 1MB
Disk drives: 1 3330 or 3350 for Basic System - DASD dependent upon number and size of data base
Tape drives: N/A
Terminals: 1 required for remote access
Printers: N/A for online

III. SOFTWARE - OPERATING SYSTEM

Name: MVS/SP IPO 3.8H
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 32,000
Maximum number of records: Variable up to 2-3 million
Maximum number of fields/record: Variable up to 100

The system's command language is: English

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 300.

Type of system capability: multiple file, single file search.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query.

Print generator: Sort, Decode, KWIC-KWOC.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; Systems manual, Reference manual, Operations manual, User guide, Training manual.

System is available in North America, Asia, Europe, South America, Oceania.

Warranty: 12 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $50,001 - $100,000
Conditions (for source code): Retrieval & file maintenance only.
Price range of hardware: More than $100,000

Special terms for developing countries: Representatives of developing countries interested in acquiring ELHILL or any of the ELHILL data bases should contact: Dr. Mary Corning, Assistant Director, International Programs, National Library of Medicine

*Locations: 1800 (domestic) terminal users.

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I. GENERAL FEATURES

SYSTEM NAME: MetaMicro Library Systems, Inc. Serials Control System

Acronym: METAMICRO (*)

Version: 1.0 Release date: Apr. 82

BACKGROUND and PRIMARY OBJECTIVES:
MetaMicro Library Systems Serial Control System is a microcomputer based system that provides all of the procedures that are needed to control serials in most libraries.

GENERAL DESCRIPTION, MAIN FEATURES:
MetaMicro Library Systems features library defined parameters that customize the system for each library, cataloging using full MARC records, searching under 12 different types of keys, check-in with prompting for specific issues, routing of issues as they are checked-in, automatic claiming, bindery control, financial control, duplicates control, and interfaces with other systems.

PRODUCER:
Name: MetaMicro Library Systems, Inc.
Address: 1818 San Pedro, San Antonio, TX 78212, U.S.A.
Telephone: 512-736-9309

For additional information contact:
Name: Maurice Leatherbury
Title: President
Firm/Institution: MetaMicro Library Systems, Inc.
Address: 1818 San Pedro, San Antonio, TX 78212, U.S.A.
Telephone: 512-736-9309

II. HARDWARE REQUIREMENTS

The software package is implementable on a micro computer.
Configuration: South West Technical Products Corp., S+.

Memory size: 128KB - 1MB
Disk drives: 16MB 1 unit - 32 MB 1 unit
Terminals: 1 - 5
Printers: 1 - 3

III. SOFTWARE - OPERATING SYSTEM

Name: UniFLEX (Technical Systems Consultants, Inc.)
Compilers:, Pascal (UniFLEX)
Others: B+-tree Indexing and Access System (MetaMicro)
Utilities: Sort, Advanced print spooler.

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IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: fixed & variable
Maximum record length: 9,000 bytes
Maximum number of records: 32,767
Maximum number of fields/record: 115

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: 5.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Search-term truncation.

Search functions: Show results on screen.

Print generator: Sort, KWIC-KWOC, Statistics, Forms, Editing a format, Word processing.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; Systems manual, Utilities manual, Operations manual.

User can add application programs.
System is available in North America.

Warranty: 3 months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $5,001 - $10,000
Price range of hardware: $10,001 - $50,000

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Special terms for developing countries: None

Number of installations: 1
*Locations: Valero Energy Corp., Corporate Resource Center,
530 McCullough Ave., San Antonio, TX 78292.

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I. GENERAL FEATURES

SYSTEM NAME: Micro-Computer Assisted Information Retrieval System

Acronym: MICRO-CAIRS

Version: 1 Release date: July 82

BACKGROUND and PRIMARY OBJECTIVES:
MICRO-CAIRS was developed from the CAIRS software which nas been in operation since 1974 with continuous improvement. MICRO-CAIRS became available in July 1982 and is designed for general information and library storage and retrieval. Data is compatible with CAIRS systems.

GENERAL DESCRIPTION, MAIN FEATURES:
MICRO-CAIRS provides Online entry, Searching and output for alphanumeric text or data. Specific facility include Thesaurus control, Decoding, DSI, Printed Indexes, Bulletins, etc.

PRODUCER:
Name: Leatheread Food Research Association
Address: Randalls Road, Leatherhead, Surrey KT22 7RY, UNITED KINGDOM
Telephone: (0372) 376761
Telex: 929846

For additional information contact:
Name: Dr. D. Marrable
Firm/Institution: Leatherhead Food Research Association
Address: Randalls Road, Leatherhead, Surrey KT22 7RY, UNITED KINGDOM
Telephone: (0372) 376761
Telex: 929846

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: ACT SIRIUS, Future Technology Systems series 88, DEC Professional 350, IBM Personal Computer and any Micro with INTEL 8088 or 8086 chip.

The software package is implementable on a micro computer.
Configuration: ACT, ACT SIRIUS.

Memory size: 128KB - open
Disk drives: 10MB 1 unit up to 8 units of any size
Tape drives: Max. 8
Terminals: 1 - 15
Printers: Max. 3

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M 86
Compilers:, None - supplied compiled from RTL/2 source
Record Management System (RMS): Relative direct access

****

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 20,000

The system's command language is: English, no other languages available.

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 8.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Full screen edit, Insert text from external files.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode, KWIC-KWOC, Indexing, Forms, Editing a format, Word processing.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Control of overdue items, Circulation field codes.

Documentation: Available in English; Operations manual, User guide.

****

User can add application programs.
System is available without geographic limitations.
Warranty: 3 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $5,001 - $10,000
Price range of hardware: Up to $5,000

Special terms for developing countries: Negotiable

Number of installations: 3
*Locations: Ciba Geigy, Manchester, England; Food RA, Leatherhead, England.

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I. GENERAL FEATURES

SYSTEM NAME: DIALOG with a micro

Acronym: MICRODIALOG

BACKGROUND and PRIMARY OBJECTIVES:
This is a CAI program. Originally designed for the micro Commodore PET, MICRODIALOG is now available under CP/M operating system, and specifically on SUPERBRAIN and RAIR. It teaches the user to use all techniques available on the real system.

GENERAL DESCRIPTION, MAIN FEATURES:
MICRODIALOG is a self-teaching program in the use of DIALOG commands of the Lockheed Research Laboratory. It is designed for people with no previous experience using DIALOG. The program consists of four parts: 1) Helps the user to memorize the functions and commands. 2) Introduces the user to related terms, using both the alphabetical index and the thesaurus online. 3) Truncation and command search. 4) Full-text searching.

PRODUCER:
Name: CIS, University of London, Senate House
Address: Malet Street, London WC1E 7HU, UNITED KINGDOM
Telephone: 01-636-4514 Ext. 937
Telex: 269400

For additional information contact:
Name: Mrs. A. Vickery
Title: Senior Information Systems Officer
Firm/Institution: CIS, University of London, Senate House
Address: Malet Street, London WC1E 7HU, UNITED KINGDOM
Telephone: 01-636-4514 Ext. 937
Telex: 269400

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: all models of SUPERBRAIN and on the PET Commodore Micro-computer.

The software package is implementable on a micro computer.
Configuration: Intertec Data Systems, SUPERBRAIN, All models.

Memory size: Max. 64K/RAM
Disk drives: Max. over 700K

Other peripheral equipment: N/A.

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M

Record Management System (RMS): Index sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Maximum record length: n/A
Maximum number of records: N/A
Maximum number of fields/record: N/A

The system's command language is: English, no other languages available.

Features of query language: Boolean operators.

Documentation: User guide.

System is available without geographic limitations.
System update and/or maintenance is available.

VI. COST, INSTALLATION

Price range of software : * Source Code : Up to $ 5,000 (35 pounds sterling plus postage)

Number of installations: 300 copies sold and installed

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I. GENERAL FEATURES

SYSTEM NAME: Mikro Polydoc

Acronym: MIKRO POLYDOC (*)

Version: 1982.1 Release date: May 82

BACKGROUND and PRIMARY OBJECTIVES:
First version of Mikro Polydoc released in May 1982. Mikro Polydoc is an EDP software package for storage, retrieval and dissemination of information to be used on microcomputers. Mikro Polydoc can be used as an online system for establishing and managing data bases and data banks for all kinds of organisations and companies, in-house or for data bases in online centres. As the system is running on CP/M and MP/M operating systems on 8 bit and 16 bit microprocessors, it is machine independent.

GENERAL DESCRIPTION, MAIN FEATURES:
Mikro Polydoc is a screen-oriented inverted file system. Data entry is done in "free-format". There are no fixed fields or fixed field lengths. The system can handle 20 different fields per record, an unlimited number of characters in each record and 5 different data bases. Searching allowed in fields, subfields and in the text. Design of data base is made according to users' requirements and can be easily altered. Output on screen, records in listing or records in input format on tape. The system can be used in libraries for bibliographic data bases, in archives and for registration of chemicals, system routines, slides, products, computer programs, system routines, well data, seismic tapes, know-how, etc.

PRODUCER:
Name: Norwegian Centre for Informatics (NSI)
Address: Forskningsveien 1, Oslo 3, NORWAY
Telephone: 02-69-58-80
Telex: 72042 nsi n
Cable: ENSI

For additional information contact:
Name: Sissel Overlie
Title: Section Manager
Firm/Institution: Norwegian Centre for Informatics (NSI)
Address: Forskningsveien 1, Oslo 3, NORWAY
Telephone: 02-69-58-80
Telex: 72042 nsi n
Cable: ENSI

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II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: MYCRON 2000 and on ALTOS, XEROX, APPLE, DYNABYTE and NORTHSTAR micro-computers.

The software package is implementable on a micro computer.
Configuration: Mykron, MYCRON 2000.

Memory size: 50K - 64K
Disk drives: 1MB 1 unit - 8,3MB x N N= no. of Discs
Tape drives: Max. 1
Terminals: 1 - 5
Printers: Max. 1

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M MP/M
Compilers:, PASCAL MT + 86
Record Management System (RMS): Index sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: no limit
Maximum number of records: Disc dependent
Maximum number of fields/record: 20

The system's command language is: Norwegian, English and Swedish. All languages based on Roman characters could be accommodated.

Batch operations.
Online operations; Number of terminals: Machine dependent.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Copy text.

Features of query language: Boolean operators, Search-term truncation, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Postings, Show results on screen, Print results.

Documentation: Available in Norwegian and English; Systems manual, Operations manual.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: Up to $5,000

Price range of hardware: $10,001 - $50,000

Number of installations: 25
*Locations: Norway, Sweden, West Germany, Holland, England and Finland.

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I. GENERAL FEATURES

SYSTEM NAME: CAI Software System for Microcomputer and Laser Video Disk Based Stand-Alone/Online CAI

Acronym: MILESTONESOFT

Version: 2.0 Release date: Apr. 81

BACKGROUND and PRIMARY OBJECTIVES:
1 April 1981 : Installed; 1 April 1982 : 1st version; 30 May 1982 : 2nd version; Objectives: To provide CAI software system for MILESTONE CAI system which consists of APL-based CAI Language processor and executor, Multi-media type I/O handler, Authoring and management system.

GENERAL DESCRIPTION, MAIN FEATURES:
APL, Kanji, Laser Video Disk based stand-alone/online CAI (computer assisted instruction) system.

PRODUCER:
Name: University of Tsukuba Science Information Processing Center
Address: 1-1-1 Tenno-dai, Sakura-mura, Niihari-gun, Ibaraki-ken 305, JAPAN
Telephone: 0298-53-2451

For additional information contact:
Name: Kazuhiko Nakayama
Title: Director
Firm/Institution: University of Tsukuba Science Information Processing Center
Address: 1-1-1 Tenno-dai, Sakura-mura, Niihari-gun, Ibaraki-ken 305, JAPAN
Telephone: 0298-53-2451

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: Mitsubischi Co., MELCOM-COSMO 700 III, MELCOM-COSMO 800 III.

Memory size: Max. 4MB
Disk drives: Max. 900MB
Tape drives: Max. 2
Terminals: Max. 41+28+10
Printers: 4

Other peripheral equipment: Japanese Kanji system.

III. SOFTWARE - OPERATING SYSTEM

Name: UTS/VS
Compilers: Fortran, APL
Record Management System (RMS): Index sequential, Relative

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direct access
Utilities: Kanji & Graphics.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, graphic
Record length: fixed & variable

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: 41+28 (current) maximum 80.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Move text, Copy text.

Documentation: Available in Japanese; Systems manual, Utilities manual, Reference manual, Operations manual, User guide.

User can add application programs.
System is available in, Japan.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software :
Number of installations: 3
*Locations: University of Tsukuba; Iahioka High School Ibaraki-ken; Mitsubishi Co. in Tokyo.

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I. GENERAL FEATURES

SYSTEM NAME: Information Retrieval Software Package on Mini-Computers

Acronym: MILOR

Version: 82 Release date: Jan. 82

BACKGROUND and PRIMARY OBJECTIVES:
GIXI Informatique S.A. has developed MILOR, an interactive retrieval software package, in order to fulfill needs for computerized information retrieval, such as in documentation centers. This software package is recommended for specialized information centers, to handle private files, and as a complement to information processing in large scale environments. The use of the MILOR package can be extended to any type of documentation where the information description is similar to a bibliographic description (records, business files, spare parts...). Using the resources of mini-computers, MILOR provides information retrieval facilities which were up to now only available on large computers.

GENERAL DESCRIPTION, MAIN FEATURES:
MILOR comprises five main processes, each consisting of a number of programs: Vocabulary maintenance (MILOR offers the possibility of using 4 lexicons, including 1 thesaurus). Data base maintenance. Retrieval. Utility programs. Data base administration and update.

PRODUCER:
Name: GIXI
Address: 10, Avenue de la Baltique BP 110, Les Ulis Cedex,
Essonne 91944, FRANCE
Telephone: 907-78-09
Telex: GIXIM 692 197F

For additional information contact:
Name: Raulin Christine
Title: Information System Engineer
Firm/Institution: GIXI
Address: 10, Avenue de la Baltique BP 110, Les Ulis Cedex,
Essonne 91944, FRANCE
Telephone: 907-78-09
Telex: GIXIM 692 197F

Name: Catting Ian
Title: Product Manager
Firm/Institution: Ganymede
Address: Ebury Gate, 23 Lower Belgrave St., London SW1W ONW,
UNITED KINGDOM

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II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: Hewlett Packard mini-computer HP 1000, HP 3000, Digital Equipment Corp. mini-computer and Honeywell Information Systems mini-computer.

The software package is implementable on a mini computer.
Configuration: Hewlett-Packard, HP 1000, HP 3000.

Memory size: 256KB
Disk drives: 8MB 1 unit
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: GCOS 6 MOD 400 or 600
Compilers: Fortran, + SIP
Record Management System (RMS): Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: 1000 bytes (optional 4000)
Maximum number of records: 512,000 by Data base (10 maximum)
Maximum number of fields/record: 25 (optional 100)

The system's command language is: English, French. Other languages could be implemented; an Arabic version will be available in 1983

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: No limit due to software package (see computer manufacturer recommendations).

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Alternative query languages.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Statistics, Editing a format.

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Acquisition functions: Document creation, Displaying the document.

Catalog functions:, N/A.

Circulation functions: N/A.

Documentation: Available in French, English; Reference manual, User guide, Training manual.

User can add application programs.
System is available without geographic limitations.
Warranty: 3 months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $10,001 - $50,000
Price range of hardware: $10,001 - $50,000

Special terms for developing countries: None

Number of installations: 11
*Locations: Hoechst, Iffa-Merieux, ANVAR, Michelin, Elf, Thomson, IST (France), IBI (Italy), WTC (Zaire), Custom Council (Belgium), Guiness (Ireland).

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I. GENERAL FEATURES

SYSTEM NAME: MIMER

Acronym: MIMER (*)

BACKGROUND and PRIMARY OBJECTIVES:
A general Data Base Management System, DBMS, could be characterized by the admittance of a wide independence between the application programs and the data. Many computerized information systems of today are dynamic enough to handle modifications in, or expansion of the data base structure without affecting the existing application programs. Unlike the majority of exiting DBMS's, MIMER admits, in addition, a wide independence between DBMS and different computer brands, as well as different general programming languages.

GENERAL DESCRIPTION, MAIN FEATURES:
The MIMER system contains: data base handler with interface to general programming languages to create data independent application programs, Query language to define and build data bases, manipulate and extract data, Report generator to structure reports, including statistical calculations, Forms management system which makes data entry operations a simple and reliable matter and a program generator which converts defined reports and queries to a conventional programming language, thus creating an application program.

PRODUCER:
Name: Uppsala University Data Center
Address: P.O.B. 2103, Uppsala S-75002, SWEDEN
Telephone: 46-18-111330
Telex: 76155 S UDAC

For additional information contact:
Name: Sven G. Johansson
Title: Manager, Systems Dev
Firm/Institution: Uppsala University Data Center
Address: P.O.B. 2103, Uppsala S-75002, SWEDEN
Telephone: 46-18-111330
Telex: 76155 S UDAC

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: 13 different computers; Burroughs, Control Data, DEC, Eclipse, Honeywell Bull, IBM, ICL, Nord, PDP, Prime, Univac, VAX, Wang.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed
Maximum record length: 512 bytes (installation dependent)
Maximum number of records: Installation dependent
Maximum number of fields/record: 512 (installation dependent)

The system's command language is: English, Any

Batch operations.
Online operations; Number of terminals: Depending on the computer.

Type of system capability: multiple file, simultaneous file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Statistics, Indexing, Forms, Editing a format.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; Systems manual, Reference manual, Training manual.

User can add application programs.

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System is available in Europe, Oceania.

Warranty: License Agreement.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $10,001 - $50,000
Price range of hardware: $50,001 - $100,000

I. GENERAL FEATURES

SYSTEM NAME: Minicomputer Dokumenten Erfassungs und Retrieval System

Acronym: MINDOK

Version: 2.0 Release date: Mar. 82

BACKGROUND and PRIMARY OBJECTIVES:
MINDOK is a distributed system for free text acquisition with automatic error checking, optionally coupled with a data base for storage and retrieval of documents and related data. The system is composed of several, largely independent parts, and may be adapted to existing host systems and data base systems. Data and document entry is done using intelligent, microprocessor-based terminals, allowing automatic checking of spelling and plausibility during data entry, as well as automatic or semi-automatic generation of indexes.

GENERAL DESCRIPTION, MAIN FEATURES:
MINDOK is a distributed information and document retrieval system, developed especially for use on micro, mini, and supermini computer systems. The basic functions of MINDOK are data acquisition, error checking, storage, and retrieval of data and documents. By allowing text revision during acuisition based on automatic error checking and indexing features, MINDOK especially supports text-entry by unskilled personnel. Thus machine readable copies of error free text and of formatted data may be created with minimum effort. Connection to a host computer allows storage and retrieval of the data and documents by means of a data base system.

PRODUCER:
Name: Infodas GmbH
Address: Rhonestr. 2, Koeln 71, Nordrhein-Westfalen D-5000,
FEDERAL REPUBLIC OF GERMANY
Telephone: 0221-701021
Telex: 08 883 439 info d

For additional information contact:
Name: Wolfgang Sager
Title: Diplom Informatiker
Firm/Institution: Infodas GmbH
Address: Rhonestr. 2, Koeln 71, Nordrhein-Westfalen D-5000,
FEDERAL REPUBLIC OF GERMANY
Telephone: 0221-701021
Telex: 08 883 439 info d

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II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: micro and mini computers of DEC including LSI 11, PDP 11, VAX 11 all models with micro and mini computers.

The software package is implementable on a mini computer. Configuration: Digital Equipment Corp., LSI 11, PDP 11, VAX 11, All models.

Memory size: 256KB - No limit
Disk drives: 10MB 1 unit - No limit
Tape drives: N/A
Terminals: 1 - No limit
Printers: 1 - No limit

Other peripheral equipment: Z-80 based intelligent terminals [e.g. Siemens 6.610, 6.611, Tandberg TDV 2300, DEC VT180 (upon request)].

III. SOFTWARE - OPERATING SYSTEM

Name: RSX-11/M VAX/VMS
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 4KB
Maximum number of records: No limit
Maximum number of fields/record: Limited by record length

The system's command language is: German, Upon request: Any using Latin alphabet

Thesaurus maintenance.
Online operations.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Thesaurus, Field-based search, Full-text search.

Search functions: Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Indexing, Forms, Editing a format.

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Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Multiple copies.

Documertation: Available in German.

System is available in Europe.

Warranty: 6 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Price range of hardware: $5,001 - $10,000

Number of installations: 12
*Locations: In Federal Republic of Germany

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I. GENERAL FEATURES

SYSTEM NAME: MINISIS

Acronym: MINISIS

Version: E.02 Release date: Dec. 82

BACKGROUND and PRIMARY OBJECTIVES:
MINISIS was developed by IDRC as part of its international development research program in information sciences. In 1976, IDRC began work on a low-cost minicomputer-based online data entry and interactive retrieval package that could be used for its own in-house needs, could also be made available to developing country institutions, and would be flexible enough for a variety of applications . MINISIS became operational in 1978 and has since proved both cost-effective and adaptable. It is now an established member of the ISIS compatible family.

GENERAL DESCRIPTION, MAIN FEATURES:
MINISIS is a generalized information management system developed primarily for use in bibliographic information systems but is flexible enough for use in many types of application. It combines data base creation and management facilities and information retrieval in one "user-friendly", easy to learn package. MINISIS includes a set of programs to support library management and information retrieval in small - to medium-size libraries. There are processors for entering, modifying, and retrieving data, for performing arithmetic computations, and for defining and producing reports. Its search processor has powerful retrieval capabilities and supports the use of an online thesaurus, multilingual recognition of thesaurus terms, and Boolean and arithmetic operations. MINISIS can easily produce annotated bibliographies, library catalogues, and different types of indexes on various media including computer output microfiche. The system handles true multilingual dialogue and can support up to 16 different character sets within one data base. There are a full range of utilities to assist the data base administrator in creating and maintaining data bases. The exchange of data bases is facilitated by accepting and producing magnetic tapes in the ISO 2709 exchange format. MINISIS provides a general set of application programs. Generally no programming is required but users with specific requirements can write specialized application programs using the MINISIS intrinsics to supplement the generalized processors provided with the system.

PRODUCER:
Name: International Development Research Centre
Address: P.O.B. 8500, Ottawa, Ontario K1G 3H9, CANADA
Telephone: 613-996-2321
Telex: 053-3753
Cable: RECENTRE

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For additional information contact:
Name: MINISIS Outreach
Firm/Institution: IDRC
Address: P.O.B. 8500, Ottawa, Ontario K1G 3H9, CANADA
Telephone: 613-996-2321
Telex: 053-3753
Cable: RECENTRE

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Hewlett-Packard, HP 3000.

Memory size: 256KB - 8MB
Disk drives: 27MB (1 unit) - 404MB (8 units)
Tape drives: 800, 1600, 6250 bpi
Terminals: 1 - 64 lines with multipoint
Printers: variety of dot matrix, impact and laser printers available

III. SOFTWARE - OPERATING SYSTEM

Name: MPE IV (Multiprogramming Executive)
Compilers:, SPL
Others: Standard MPE fundamental operating system and software
Utilities: Sort, Standard MPE utilities.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: 4096 characters
Maximum number of records: > 10 million
Maximum number of fields/record: 256 unique field identifiers

The system's command language is: Any language in which character set can be represented in 256 characters

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: As many terminals as supported by hardware configuration.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Cancel latest revisions, Move data from one field to another.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Postings, Show results

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on screen, Print results, Save query, Save hit file, Recall query.

Print generator: Sort, Decode, KWIC-KWOC, Indexing, Forms, Editing a format.

Acquisition functions:, Applications are user defined, Duplicate checking, Orders and claims, Statistics, Limited financial functions.

Catalog functions: Create, Applications are user defined, modify, delete, query, print exchange tapes, authority files.

Documentation: Available in English, French; Utilities manual, Introduction, data base managers guide, Programmers guide, user processors manuals, Error manual.

Special applications: Some typical applications of MINISIS include bibliographic, project information, mailing list, registry of correspondence, personnel records.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000

Price range of hardware : More than $ 100,000

Special terms for developing countries: MINISIS software made available free of charge to non-profit and governmental organizations in developing countries.

Number of installations: 76

I. GENERAL FEATURES

SYSTEM NAME: Management Information Processing System

Acronym: MIPS

release date: 82

BACKGROUND and PRIMARY OBJECTIVES:
Data Retrieval Corporation has been an innovative force in the text processing industry for over 17 years, dedicating the development of software and services primarily toward the needs of state governments. Specialized applications have facilitated statute research, bill drafting, bill status, and type-composition of legal publications. With MIPS, Data Retrieval is able to meet the complex needs of the legal community within commerce and industry. Four subsystems form the basis of Data Retrieval's total management solution. Application Builder allows the user to address specific problems with tailored solutions. Information Processing is a sophisticated text editor which provides capabilities to draft, revise and print legal documents. Information Researching enables the inquiry of computerized data bases of legal documents, and a Photocomposition system automatically creates camera-ready copy directly from data bases.

GENERAL DESCRIPTION, MAIN FEATURES:
Designed to meet the total management information needs of the corporate legal community, MIPS will support tailored applications such as contract management, calendaring and scheduling, docket control, time management, legal memoranda management, litigation support management and outside counsel tracking and management. The integration of MIPS text processing, researching, and photocomposing capabilities, combined with Application Builder, provide the corporate legal community with a system which is customized, easily modified and user friendly.

PRODUCER:
Name: Data Retrieval Corporation of America
Address: 8989 North Deerwood, P.O.B. 23437, Milwaukee, WI 53223-0437, U.S.A.
Telephone: 414-355-5900

For additional information contact:
Name: G. Jeffrey Benning
Title: Commercial Sales/Marketing Manager
Firm/Institution: Data Retrieval Corporation of America
Address: 8989 North Deerwood, P.O.B. 23437, Milwaukee, WI 53223-0437, U.S.A.
Telephone: 414-355-5900

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II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: Intel ITPS 86/445 and on IBM 370X, 303X and 43XX.

The software package is implementable on a micro computer. Configuration: Intel, ITPS 86/445.

Memory size: 1M - 2M
Disk drives: 35M 1 unit - 84M 4 units
Tape drives: 1 - 1
Terminals: 1 - 15
Printers: Max. 5

Other peripheral equipment: Photocomposer APS4, APS5, Merganthaler 505.

III. SOFTWARE - OPERATING SYSTEM

Name: iRMX/86
Compilers: Assembler, PLM
Record Management System (RMS): Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: dependent on disk drive capacity
Maximum number of records: Dependent on disk drive capacity
Maximum number of fields/record: Dependent on disk drive capacity

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: Variable, dependent on hardware and application.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search.

Search functions: Show results on screen, Print results, Save query, Revise query, Return query.

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Print generator: Sort, KWIC-KWOC, Indexing, Editing a format, Word processing.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies, Budget control.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

Special applications: Data Retrieval's Application Builder provides the user with the means of designing and implementing customized programs, screen formats and command structures. In addition to sophisticated text programming capabilities, the logic capabilities offered make possible a wide range of program applications.

User can add application programs.
System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: More than $100,000
Conditions (for object code): System sold together with hardware; minimum system price is $115,000.
Number of installations: 16
*Locations: Legislative Information System, Illinois, U.S.A.; Data Services Division, Wyoming, U.S.A.; Department of Legislative Reference, Maryland, U.S.A.; Legislative Data Systems, Rhode Island, U.S.A..

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I. GENERAL FEATURES

SYSTEM NAME: Minicomputer Operated Retrieval (Partially Heuristic) System

Acronym: MORPHS

Version: 1 Release date: 75

BACKGROUND and PRIMARY OBJECTIVES:
MORPHS was designed as a replacement for a feature card system. It was intended to be simple to use both in searching and at the indexing input stages. MORPHS was intended to operate within the very limited confines of a small minicomputer. Subsequently, it was found possible to incorporate a number of linguistic features (see below) - most of which will be incorporated in a new version which it is hoped wil be available in late 1982. Although originally limited to information retrieval, an extensive SDI facility has since been added - this is based on the main system.

GENERAL DESCRIPTION, MAIN FEATURES:
The main function of MORPHS is to provide access to some 40000 documents relating to natural rubber technology - the documents are stored on microfilm and fast access is provided via an automatic document locating system sold by Bell & Howell. SDI is provided both for internally generated abstracts and for externally generated material received on magnetic tape. MOPRHS incorporates automatic word root generation - the information contained in suffixes and prefixes is stored in the form of roles. A limited number of synonyms are handled automatically. Plurals are reduced to their singular forms. Bracketed searches are possible in the SDI mode. Brackets may be nested to any depth. It is anticipated that the new version will handle quantified information. Considerable progress has been made towards automatic indexing.

PRODUCER:
Name: Malaysian Rubber Producers' Research Association
Address: Brickendonbury, Hertford, Herts SG13 8NL, UNITED KINGDOM
Telephone: 0992-54966
Telex: 817449
Cable: RUBRESERCH, HFRD

For additional information contact:
Name: Mr. K.P. Jones
Title: Head information Group
Firm/Institution: Malaysian Rubber Producers' Association
Address: Tun Abdul Razak Laboratory, Brickendonbury, Hertford, Herts SG13 8NL, UNITED KINGDOM
Telephone: 0992-54966
Telex: 817449
Cable: RUBRESERCH, HFRD

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II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Prime Computer, PRIME 250.

Memory size: 1MB
Disk drives: 160MB
Tape drives: Max. 1
Terminals: 1 - 16
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: PRIMOS
Compilers: Basic, FORTRAN IV being implemented -

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: none
Maximum number of records: Hardware - sole limitation
Maximum number of fields/record: Hardware - sole limitation

The system's command language is: English

Batch operations.
Online operations; Number of terminals: 16 (Prime).

Type of system capability: simultaneous file search.

Data entry and revision functions: Insert new text, Data validation.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Nesting of instructions, Alternative query languages.

Search functions: Postings, Show results on screen, Print results.

Print generator: Sort.

Documentation: Operations manual.

User can add application programs.
System update and/or maintenance is available.

VI. COST, INSTALLATION

Number of installations: 1
*Locations: In-house.

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I. GENERAL FEATURES

SYSTEM NAME: Multilingual Data Processing

Acronym: MULTILING

Version: 2 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
The project began in 1976 as an editorial project of a multilingual concordance of the Jewish-Christian scriptures. It is aimed to provide access through various languages to the original texts and the main translations. BI - or multilingual with BI - or multicharacter data retrieval system.

GENERAL DESCRIPTION, MAIN FEATURES:
The system is a set of programs allowing data entry, automatic analysis and comparison of texts, statistics, editing, phototypesetting, screen and printer displays for multilingual and multicharacter data.

PRODUCER:
Name: Centre Informatique et Bible
Address: Rue de L'Abbaye, 11, Denee, Namur B-5642, BELGIUM
Telephone: 082-69-93-97
Telex: c/o FROBRA 59105

For additional information contact:
Name: Poswick, R. Ferdinand
Title: Director
Firm/Institution: Centre Informatique et Bible
Address: Rue de L'Abbaye, 11, Denee, Namur B-5642, BELGIUM
Telephone: 082-69-93-97
Telex: c/o FROBRA 59105

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 3033, IBM 3081 and on the IBM series 1.

The software package is implementable on a mainframe computer. Configuration: IBM, IBM 3033, IBM 3081.

Memory size: 22KB - 300KB
Disk drives: 64MB - 100MB
Tape drives: 1 - 4
Terminals: 1 -3
Printers: 2 - 2

Other peripheral equipment: Graphic screens (Tektronix 4025), Laser printer (IBM 3800).

III. SOFTWARE - OPERATING SYSTEM

Name: HMVS (3033, 3081)

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Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric, graphic
Record length: fixed & variable
Maximum record length: 1039
Maximum number of records: 1,000,000
Maximum number of fields/record: 150

The system's command language is: French, English

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 3.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text.

Features of query language: Numerical search, Field-based search, Full-text search.

Search functions: Show results on screen, Print results.

Print generator: Decode, KWIC-KWOC, Statistics, Editing a format.

Acquisition functions: Document creation, Displaying the document, Multiple copies.

Catalog functions: Create, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in French and English, Data and programs description.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

****

V. COST, INSTALLATION
Price range of software:

Conditions (for object code): Upon request.
Price range of hardware: $50,001 - $100,000

Number of installations: 1
*Locations: In-house.

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I. GENERAL FEATURES

SYSTEM NAME: MUTE2

Acronym: MUTE2

Version: 2 Release date: 80

BACKGROUND and PRIMARY OBJECTIVES:
Teaching aid providing instruction in searching MEDLINE. The simulation consists of six modules; logging on, three searches of increasing complexity, an SDILINE search and logging out. The whole simulation takes about 45 minutes to complete.

GENERAL DESCRIPTION, MAIN FEATURES:
Teaching aid of use in training library school students, librarians and information workers in the basic techniques of using MEDLINE.

PRODUCER:
Name: Department of Information Studies, University of Sheffield
Address:, Sheffield S10 2TN, UNITED KINGDOM
Telephone: 0742-78555
Telex: 54348

For additional information contact:
Name: Miss F. E. Wood
Title: Lecturer
Firm/Institution: Department of Information Studies, University of Sheffield
Address:, Sheffield S10 2TN, UNITED KINGDOM
Telephone: 0742-78555
Telex: 54348

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: a wide range of mini and mainframe computers including PRIME 400 and 750, VAX 11/780, IBM 4331 and ICL, Burroughs and Harris. Neglible OS dependency, relatively machine independent.

The software package is implementable on a mini computer. Configuration: Prime Computer, PRIME 400, PRIME 750.

III. SOFTWARE - OPERATING SYSTEM

Name: PRIMOS

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IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: fixed

The system's command language is: English, no other languages available.

Online operations; Number of terminals: As many as the computer can handle.

Features of query language: Boolean operators, Search-term truncation, Thesaurus, Field-based search, This is a simulation of a system with the features indicated and many more. The simulation teaches the main features of MEDLINE.

Search functions: Display dictionary, Postings, Show results on screen, Print results, This is a simulation of a system with the features indicated.

Documentation: Available in English, Program documentation.

System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: Up to $5,000 (Less than $ 200)

Number of installations: 20
*Locations: School of Librarianship and Information Studies, Newcastle upon Tyne Polytechnic, Lipman Building, Sandyford Road, Newcastle upon Tyne, NE1 8ST U.K.; Biblioteca, Ponteficia Universidad Catolica del Peru, Fundo Pando, Pueblo Libre, Lima, Peru; Department of Librarianship, University of Strathclyde, Livingstone Tower, Richmond Street, Glasgow, G1 1XH Scotland.

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I. GENERAL FEATURES

SYSTEM NAME: Nested Phrase Indexing System

Acronym: NEPHIS

Version: 1 Release date: 76

BACKGROUND and PRIMARY OBJECTIVES:
NEPHIS (Nested Phrase Indexing System) is a computer assisted permuted subject indexing system designed with four principal objectives: 1. It should be easy for the indexer; 2. The computer algorithm should be easy to implement using any language capable of character-string manipulation; 3. Running the resulting program should be economical; 4. The index produced should satisfy the users.

GENERAL DESCRIPTION, MAIN FEATURES:
A human indexer supplies the computer with strings of index terms and additional tags, each string representing an indexed item. Strings may be derived by inserting tags into titles or may be constructed completely by the indexer. The computer uses each string to produce a set of permuted index entries. When sorted and formatted (and possibly enriched with cross-references) by the computer, the index entries combine to form a printed index of some elegance.

PRODUCER:
Name: T.C. Craven, School of Library and Information Science
Address: The University of Western Ontario, London, Ontario
N6G 1H1, CANADA
Telephone: 519-679-3542

For additional information contact:
Name: T.C. Craven
Firm/Institution: School of Library and Information Science
Address: The University of Western Ontario, London, Ontario
N6G 1H1, CANADA
Telephone: 519-679-3542

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: PET 2001-8, CDC and DEC mainframe computers.

The software package is implementable on a micro computer.
Configuration: Commodore Business Machines, PET 2001-8.

Memory size: 8KB
Disk drives: Single density diskette 2 Units
Printers: 1

Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed & variable
Maximum record length: System dependent
Maximum number of records: N/A
Maximum number of fields/record: N/A

Batch operations.
Online operations; Number of terminals: No limit on mainframes, but only one user can access a given file at one time.

Print generator: Indexing.

Catalog functions: Print catalogs.

Documentation: Available in English, Title coding manual; Workbook with sample strings; Several journal articles.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: No charge *Object Code: No charge
Conditions (for source code): Cost of recording medium must be borne by the user.
Number of installations: 1
*Locations: In-house.

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I. GENERAL FEATURES

SYSTEM NAME: Nonesuch Acquisitions Control System

Acronym: NONESUCH (*)

Version: 2 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
Objective: Full control of ordering, receiving of library materials with complete fund accounting. Prototype of system operational since 1977 providing full online control of book ordering receiving and distribution for a library jobber. Modified to provide full fund accounting control and serials ordering and payment control for libraries. First library installation 1981.

GENERAL DESCRIPTION, MAIN FEATURES:
Interface with OCLC or other bibliographic network for pre-order searching. Automatic search for duplicate orders. Full control of all items ordered, including standing orders, approvals, serials. Full fund accounting control integrated with ordering receipt and payment. Full control of in-process inventory. Extensive, flexible management retrieval and reporting.

PRODUCER:
Name: Ringgold Management Systems, Inc
Address: Box 368, Beaverton, OR 97075, U.S.A.
Telephone: 503-645-3502

For additional information contact:
Name: Dr. Ralph M. Shoffner
Title: President
Firm/Institution: Ringgold Management Systems, Inc
Address: Box 368, Beaverton, OR 97075, U.S.A.
Telephone: 503-645-3502

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: WANG 2200. The software package is implementable on a micro computer, mini computer and mainframe.

The software package is implementable on a mini computer.
Configuration: Wang Laboratories Computer, WANG 2200.

Memory size: 32K - 512K
Disk drives: 80MB 6 units
Tape drives: Not used
Terminals: 1 - 12
Printers: 1 - 13

Other peripheral equipment: 1) Multiplexor for connection with bibliographic network; 2) Modems for remote, telephonic connection.

III. SOFTWARE - OPERATING SYSTEM
Name: Standard WANG operating system
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric

The system's command language is: English

Batch operations.
Online operations.

Features of query language: Boolean operators, Numerical search, Field-based search.

Search functions: Show results on screen, Print results.

Print generator: Sort, Statistics.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies, Budget control, Duplicate order search, approvals, standing orders, series orders, prepaid orders & in-process control.

Documentation: Available in English; User guide.

User can add application programs.
System is available without geographic limitations.
Warranty: 90 days.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $10,001 - $50,000
Conditions (for source code): Price varies according to nature & size of application.
Price range of hardware: $5,001 - $10,000

Number of installations: 1
*Locations: Purdy Library, Wayne State University, Detroit, MI.

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I. GENERAL FEATURES

SYSTEM NAME: Nonesuch Circulation Control System

Acronym: NONESUCH MICRO (*)

Version: 2 Release date: May 82

BACKGROUND and PRIMARY OBJECTIVES:
Objective control of materials lent by libraries with maintenance of the patron information necessary to support this process. Prototype system developed and operated on a mainframe computer by an academic library in 1976. Moved to a minicomputer system for a special library in 1981. Version 2 for microcomputer released in 1982.

GENERAL DESCRIPTION, MAIN FEATURES:
Based on inventory records (titles with copies linked) for all materials to be loaned. Automatic charging, discharging with bar codes for materials and patrons, operator override of machine decisions, renewals, reserves, overdue notices, inventory checking and control.

PRODUCER:
Name: Ringgold Management Systems, Inc
Address: Box 368, Beaverton, OR 97075, U.S.A.
Telephone: 503-645-3502

For additional information contact:
Name: Dr. Ralph M. Shoffner
Title: President
Firm/Institution: Ringgold Management Systems, Inc
Address: Box 368, Beaverton, OR 97075, U.S.A.
Telephone: 503-645-3502

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: any computer (micro, mini or mainframe) which has ANSI'74 COBOL level 1.

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IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: 128 bytes in present implementation but changeable record location
Maximum number of records: open

The system's command language is: English

Batch operations.
Online operations; Number of terminals: Dependent upon computer system.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies, Interbranch movement/transfer.

User can add application programs.
System is available without geographic limitations.
Warranty: 90 days.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $10,001 - $50,000
Conditions (for source code): Price varies according to nature & size of application.
Price range of hardware: $5,001 - $10,000

Number of installations: 5
*Locations: Yakima Valley Regional Library Yakima, WA; Leavenworth Public Library, Leavenworth, KS; Santa Clara County Library, San Jose, CA; McAllen Memorial Library, McAllen, TX; Lawrence Livermore Laboratory, Livermore, CA.

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I. GENERAL FEATURES

SYSTEM NAME: Northwestern Online Total Integrated System

Acronym: NOTIS

Version: 3.4 Release date: Mar. 83

BACKGROUND and PRIMARY OBJECTIVES:
An online comprehensive multi-component library system used by staff for materials management and by the public as an online public access catalog. The materials management component supports all the major activities associated with running a library: ordering, receiving, accounts, processing, cataloging and circulation control. All types of materials are handled: books, serials, films, music, maps, manuscripts, analytics. In the case of serials, issue-by-issue check-in and claiming are supported.

GENERAL DESCRIPTION, MAIN FEATURES:
A unified file of bibliographic records, in full MARC format, is linked to various sets of secondary records: holding, order, item, etc. Access is through browsable numeric or pre-coordinated brief entry index records. Authority control is through a file of authority records for names and subjects, in full MARC authority format, accessible through browsable full heading index records. Two command languages are used, one by the public, one by staff.

PRODUCER:
Name: Northwestern University Library
Address: 1935 Sheridan Road, Evanston, IL 60201, U.S.A.
Telephone: 312-492-7641

For additional information contact:
Name: John McGowan
Title: University Librarian
Firm/Institution: Northwestern University Library
Address: 1935 Sheridan Road, Evanston, IL 60201, U.S.A.
Telephone: 312-492-7640

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 370, IBM 43XX, IBM 30XX and any computer which is compatible with IBM 370 architecture.

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370, IBM 43XX, IBM 30XX.

Memory size: 1MB - 16MB
Disk drives: 400MB No. varies - Unlimited
Tape drives: 2 _ Unlimited
Terminals: 1 - Unlimited
Printers: 1 - Unlimited

III. SOFTWARE - OPERATING SYSTEM
Name: DOS/VSE
Others: VSAM
Utilities: Sort, Source program editor.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: at least 4000
Maximum number of records: Unlimited
Maximum number of fields/record: Unlimited

The system's command language is: English, Spanish and others in the Latin alphabet

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: Depends on CPU and load; 90 on IBM 4321.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Alternative query languages.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query.

Print generator: Sort, KWIC-KWOC, Statistics, Indexing, Forms, Editing a format.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies, Accounting; Claiming; Purchase order preparation.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies, Multiple locations, Multiple call numbers.

Circulation functions: Borrower master file, Charging an item,

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Returning and recharging an item. Control of overdue items, Circulation statistics, Reserving an item, Multiple copies.

Documentation: Available in English; Spanish; Systems manual, Operations manual, User guide.

Special applications: Indexing of journal articles.

User can add application programs.
System is available without geographic limitations.
Warranty: 12 months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $50,001 - $100,000
Price range of hardware: More than $100,000

Number of installations: 9
*Locations: National Library of Venezuela; University of Florida; Washington Universiy (St. Louis); University of Cincinnati; Clemson University; Harvard University; National Library of Chile; University of South Alabama; Central State University (Edmond, OK).

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I. GENERAL FEATURES

SYSTEM NAME: Online Library Information System

Acronym: OLIS

Version: 2.1 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
Developed to meet company library needs. Library is small-medium industrial/technical collection with many specialized reports and periodicals. System features added and enhanced to increase usefulness/marketability. First developed 11/1980, first customer installation 6/1981.

GENERAL DESCRIPTION, MAIN FEATURES:
System consists of three components. 1) Maintain (add, change, delete) records of catalog items: serials, circulation records, route lists, abstracts, articles, checking information, maps and drawings. 2) Interactive search and retrieval on any information in the data base. 3) Printed reports - title list, author list, article list, shelflist, KWIC index.

PRODUCER:
Name: Republic Geothermal Inc.
Address: 11823 East Slauson Avenue, Santa Fe Springs, CA 90670, U.S.A.
Telephone: 213-945-3661
Telex: 910 586 1696

For additional information contact:
Name: Steve Williams
Title: Manager Technical Services
Firm/Institution: Republic Geothermal Inc
Address: 11823 East Slauson Avenue, Santa Fe Springs, CA 90670, U.S.A.
Telephone: 213-945-3661
Telex: 910 586 1696

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Hewlett-Packard, HP 3000.

Memory size: 128KW - 2MW
Disk drives: 120MB 1 unit - 400MB 8 units
Tape drives: 1 - 1
Terminals: 1 - 64
Printers: 1 - 2

III. SOFTWARE - OPERATING SYSTEM

Name: MPE IV
Compilers: Fortran, V/PLUS IMAGE (HP products)
Record Management System (RMS): DBMS
Name of DBMS: IMAGE
Utilities: Sort, AQ/3000 from Polaris, Inc. Washington D.C.

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USA.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: 1000 bytes
Maximum number of records: 65000
Maximum number of fields/record: 20

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: Hardware limit only-64.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Full screen edit, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, KWIC-KWOC.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Multiple copies.

Documentation: Available in English; Systems manual, Utilities manual, User guide, Training manual.

User can add application programs.
System is available in North America.

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System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software :
*Source Code: Nopurchase *Object Code: $5,001 - $10,000
Price range of hardware: $50,001 - $100,000

Number of installations: 1
*Locations: Airquality Management District, El Monte, CA.

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I. GENERAL FEATURES
SYSTEM NAME: Omnisys: Information Management System

Acronym: OMNISYS (*)

BACKGROUND and PRIMARY OBJECTIVES:
Geosystems design was started in 1976 and provides for handling all types of data including concepts, names, data, text and diagrams.

GENERAL DESCRIPTION, MAIN FEATURES:
Radically new DBMS for data entry, source control, indexing, retrieval, analysis and manipulation. Used for all types of textual and numerical information.

PRODUCER:
Name: Geosystems
Address: P.O.B. 1024, Westminster, London SW1, UNITED KINGDOM
Telephone: 01-222-7305
Telex: 915771

For additional information contact:
Name: H. L. Henderson
Title: Marketing Manager
Firm/Institution: Geosystems
Address: P.O.B. 1024, Westminster, London SW1, UNITED KINGDOM
Telephone: 01-222-7305
Telex: 915771

II. HARDWARE REQUIREMENTS
COMPUTERS: The system operates on: Norsk Data ND 520 and on the 1100 series of UNIVAC.

The software package is implementable on a mini computer.
Configuration: Norsk Data, ND 520.

Memory size: 500KB
Disk drives: Data dependent 1 unit
Terminals: Optional
Printers: Optional

Other peripheral equipment: Digitiser, Plotter (Optional).

III. SOFTWARE - OPERATING SYSTEM
Name: Sintran III
Record Management System (RMS): Index sequential, Relative direct access

****

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric, graphic
Record length: variable
Maximum record length: 132 [Expandable]
Maximum number of records: Dependent on disk capacity
Maximum number of fields/record: Unlimited

The system's command language is: English, Any - to order

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: Unlimited - dependent on hardware.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode, Statistics, Indexing, Forms, Editing a format.

Documentation: Available in English; Systems manual, Operations manual, User guide, Training manual.

System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Number of installations: 5
*Locations: In-house.

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I. GENERAL FEATURES
SYSTEM NAME: Library On-line Acquisitions System

Acronym: ORIEL-ACQUI

BACKGROUND and PRIMARY OBJECTIVES:
Based on an earlier batch acquisition system. Provides real-time online access to details of items on order, requests and purchasing details. Budgetary control against departmental budgets including monies committed, invoiced and balance outstanding. Produces hard copy orders, etc. Bibliographic data can be passed to catalogue and circulation control systems.

GENERAL DESCRIPTION, MAIN FEATURES:
Item checked against existing stock (catalogue) and on-order file. If the item is in stock full bibliographic data is called up. If not, prompted screen format supplies details to be filled in by order clerk. This creates a provisional bibliographic record, which appears in the catalogue. Prints orders, chasing notes, etc. On receipt item identified, date of receipt, price, etc. are noted. Budgets are amended. Bibliographic details amended if necessary, to create final bibliographic record.

PRODUCER:
Name: Oriel Computer Services (1982) Ltd
Address: 1-5 West Street, Chipping Norton, Oxon OX7 5LY,
UNITED KINGDOM
Telephone: 41351
Telex: 837512

For additional information contact:
Name: Roger D. Cain
Title: Sales Manager
Firm/Institution: Oriel Computer Services (1982) Ltd
Address: 1-5 West Street, Chipping Norton, Oxon OX7 5LY,
UNITED KINGDOM
Telephone: 41351
Telex: 837512

II. HARDWARE REQUIREMENTS
The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11/24.

III. SOFTWARE - OPERATING SYSTEM
Name: RSX 11M & RSX 11M PLUS
Compilers: Basic, BCPL
Others: Own file management system

****

Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 2,000 Characters
Maximum number of records: Unlimited
Maximum number of fields/record: Variable within maximum length

The system's command language is: English, Any whose language is supported

Batch operations.
Online operations; Number of terminals: 96.

Type of system capability: multiple file, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Numerical search, Search-term truncation, Field-based search.

Search functions: Display dictionary, Show results on screen, Print results.

Print generator: Sort, Statistics, Indexing, Editing a format.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies, Budget control.

Catalog functions: Create.

Documentation: Available in English; User guide, Training manual.

System is available in Europe.

Warranty: N/A.

System update and/or maintenance is available.

****

V. COST, INSTALLATION
Price range of software:
*Object Code: $5,001 - $10,000

****

I. GENERAL FEATURES

SYSTEM NAME: Library Cataloguing System

Acronym: ORIEL-BUREAUCAT

Version: 4 Release date: 81

BACKGROUND and PRIMARY OBJECTIVES:
Version 1 implemented 1972. Objectives: Allow efficient local cataloguing or load records from external sources: Support all cataloguing room activities; create periodic catalogues (microform, typeset, line print, laser print). Customers in Great Britain, Belgium, Holland, Luxembourg. Variants available for handling unusual requirements.

GENERAL DESCRIPTION, MAIN FEATURES:
Bureau service operated from Oxfordshire. Customers utilize variety of data entry devices. Mainframe batch operations check validity of data and process output products. Typical catalogues are in 4 sequences: Names; Titles; Systematic subject; and Keyphrase. Other products have ranged from Shelf lists, through Accession lists, to Shelf guides.

PRODUCER:
Name: Oriel Computer Services (1982) Ltd
Address: 1-5 West Street, Chipping Norton, Oxon OX7 5LY,
UNITED KINGDOM
Telephone: 41351
Telex: 837512

For additional information contact:
Name: Roger D. Cain
Title: Sales Manager
Firm/Institution: Oriel Computer Services (1982) Ltd
Address: 1-5 West Street, Chipping Norton, Oxon OX7 5LY,
UNITED KINGDOM
Telephone: 41351
Telex: 837512

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM, All models.

III. SOFTWARE - OPERATING SYSTEM

Name: IBM OS variants
Compilers: Assembler, BCPL
Record Management System (RMS): Index sequential, Relative direct access

****

Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 6,400 characters
Maximum number of records: Unlimited
Maximum number of fields/record: Variable within overall maximum length

The system's command language is: N/A

Batch operations.
Online operations.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Save old text, Insert text from external files, Move text, Copy text.

Print generator: Sort, Decode, KWIC-KWOC, Statistics, Indexing, Forms.

Acquisition functions: Document creation, Displaying the document, Multiple copies.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; User guide.

Special applications: Accession lists, Shelf lists.

System is available in Europe.

Warranty: N/A.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: No purchase
Conditions (for object code): Hired on fee.
Number of installations: 30
*Locations: Universitaire Instelling Antwerpen, Universiteitsbibliotheek, Antwerpen, Belgium; Universitaire Faculteiten St. Ignatius te Antwerpen, Belgium; Provinciale Bibliotheek van Zeeland, Holland; Openbare Bibliotheek van

Zeeland, Holland; Aberdeen University Library, New Library, Old Aberdeen, U.K.

I. GENERAL FEATURES

SYSTEM NAME: Library Circulation System

Acronym: ORIEL-CIRC/MANAGE

Version: 1 Release date: 81

BACKGROUND and PRIMARY OBJECTIVES:
Designed 1980, implemented 1980-81. To provide secure control of books and borrowers and all transactions between borrowers and the library.

GENERAL DESCRIPTION, MAIN FEATURES:
Features include multi-user system with local or remote terminals on a network. Full circulation control with mini-catalogue facilities on all terminals. Full option control for all terminals. Privileged commands. Inter-library messages. Mobile library support. Full statistics of library use. Selective listings. Full control of fines and fees. Postcard reminders.

PRODUCER:
Name: Oriel Computer Services (1982) Ltd
Address: 1-5 West Street, Chipping Norton, Oxon OX7 5LY,
UNITED KINGDOM
Telephone: 41351
Telex: 837512

For additional information contact:
Name: Roger D. Cain
Title: Sales Manager
Firm/Institution: Oriel Computer Services (1982) Ltd
Address: 1-5 West Street, Chipping Norton, Oxon OX7 5LY,
UNITED KINGDOM
Telephone: 41351
Telex: 837512

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, all models.

Memory size: 256KB - 1MB
Disk drives: 80MB (1 unit)- 300MB (8 units)
Tape drives: 1 - 4
Terminals: 1 - 96
Printers: 1 - 4

Other peripheral equipment: Telecommunications equipment, e.g., Modems, Multiplexors.

III. SOFTWARE - OPERATING SYSTEM

Name: RSX-11M or RSX-11M+
Compilers: Assembler, BCPL
Others: Own file management system

****

Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: 8192 bytes
Maximum number of records: No limit
Maximum number of fields/record: Limited by record size

The system's command language is: English, Dutch, Any whose alphabet is supported

Batch operations.
Online operations; Number of terminals: Max. 96.

Type of system capability: multiple file, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search.

Search functions: Show results on screen, Print results.

Print generator: Sort, Statistics, Forms.

Catalog functions: Create, Skip (in create prompt mode), Correct, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in English; Operations manual, User guide, Specification.

System is available in Europe.

Warranty: N/A.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Price range of hardware: More than $100,000

Number of installations: 2
*Locations: Provinciale Bibliotheek van Zeeland, abdij 9, Meddelburg, Zeeland, Holland; Metropolitan Borough of Wirral, Department of Leisure Services, 8 Riverside Road, West Kirby, Wirral, Merseyside, England.

I. GENERAL FEATURES

SYSTEM NAME: On-line Library Cataloguing System

Acronym: ORIEL-INTERACTCAT

Version: 1 Release date: 82

BACKGROUND and PRIMARY OBJECTIVES:
1) Oriel perceived in 1972 that hardware costs would reduce to the point where libraries could afford to install their own systems. This system therefore forms a natural progression from the bureau batch cataloguing system. 2) Forms a natural complement to the Library Circulation System, and the Acquisitions System.

GENERAL DESCRIPTION, MAIN FEATURES:
Data entry (cataloguing records), prompted formats, or bought-in records loaded. Record changes supported. Authority files included. Indexing performed. Access (multi-user) by 'browsing' (i.e. rolling up or down segments of sequence) or by Boolean connectors. Various display options are present.

PRODUCER:
Name: Oriel Computer Services (1982) Ltd
Address: 1-5 West Street, Chipping Norton, Oxon OX7 5LY,
UNITED KINGDOM
Telephone: 51351
Telex: 837512

For additional information contact:
Name: Roger D. Cain
Title: Sales Manager
Firm/Institution: Oriel Computer Services (1982) Ltd
Address: 1-5 West Street, Chipping Norton, Oxon OX7 5LY,
UNITED KINGDOM
Telephone: 41351
Telex: 837512

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, All models.

Memory size: 256KB - 1MB
Disk drives: 80MB 1 unit - 300MB 8 units
Tape drives: 1 - 4
Terminals: 1 - 96
Printers: 1 - 4

Other peripheral equipment: Telecommunications equipment, e.g., modems, multiplexors.

III. SOFTWARE - OPERATING SYSTEM

Name: RSX 11/M or /M+
Compilers: Assembler, BCPL

Others: Own file management system
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 6,400 characters
Maximum number of records: Unlimited
Maximum number of fields/record: Variable within overall maximum length

The system's command language is: English, Dutch, Any whose alphabet is supported

Thesaurus maintenance.
Online operations; Number of terminals: Max. 96.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode, Statistics, Indexing, Forms, Editing a format.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; User guide, Training manual.

System is available in Europe.

Warranty: N/A.

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System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $50,001 - $100,000
Price range of hardware: More than $100,000

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I. GENERAL FEATURES
SYSTEM NAME: Micro-based Library Housekeeping System

Acronym: ORIEL-MICRO

Version: 1 Release date: 82

BACKGROUND and PRIMARY OBJECTIVES:
The system is provided for small specialist libraries and information centres having a need for a highly flexible and easy to use stock management system centred on an efficient data base structure.

GENERAL DESCRIPTION, MAIN FEATURES:
Provides (not necessarily interactive) - Cataloguing system, tabular. User-defined thesaurus access. Basic circulation system. Address lists. Word processing. Telecommunications port.

PRODUCER:
Name: Oriel Computer Services (1982) Ltd
Address: 1-5 West Street, Chipping Norton, Oxon OX7 5LY,
UNITED KINGDOM
Telephone: 41351
Telex: 837512

For additional information contact:
Name: Roger D. Cain
Title: Sales Manager
Firm/Institution: Oriel Computer Services (1982) Ltd
Address: 1-5 West Street, Chipping Norton, Oxon OX7 5LY,
UNITED KINGDOM
Telephone: 41351
Telex: 837512

II. HARDWARE REQUIREMENTS
COMPUTERS: The system operates on: several micros.

Disk drives: 5 1/2 inch diskettes 2 units - 20MB 1 unit
Terminals: 1 - 4
Printers: 1 - 1

III. SOFTWARE - OPERATING SYSTEM
Name: CP/M
Compilers: Basic, BCPL
Others: Own

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IV. SOFTWARE APPLICATION SYSTEM

Record length: variable
Maximum record length: unlimited
Maximum number of records: Governed by storage
Maximum number of fields/record: Unlimited

The system's command language is: English, Any whose alphabet is supported

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: Depends on class of machine.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Numerical search, Search-term truncation, Thesaurus, Field-based search.

Search functions: Display dictionary, Postings, Show results on screen.

Print generator: Word processing.

Catalog functions: Create, Skip (in create prompt mode), Remove, Correct, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in English; User guide, Training manual.

System is available in Europe.

Warranty: N/A.

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V. COST, INSTALLATION
Price range of software:
*Object Code: Up to $5,000
Price range of hardware: Up to $5,000

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I. GENERAL FEATURES

SYSTEM NAME: Personal Literature Organiser

Acronym: P.L.O.

Version: 2 Release date: Sep. 82

BACKGROUND and PRIMARY OBJECTIVES:
A simple keyword index retrieval system to personal collections of scientific documents.

GENERAL DESCRIPTION, MAIN FEATURES:
Input: authors, titles, bibliographic details, subject categories.

PRODUCER:
Name: An Foras Taluntais
Address: 19 Sandymount Avenue, Dublin 4, IRELAND
Telephone: 688188
Telex: 30459
Cable: AGRES

For additional information contact:
Name: Valentine S. Reilly
Title: Information Officer
Firm/Institution: An Foras Taluntais
Address: 19 Sandymount Avenue, Dublin 4, IRELAND
Telephone: 688188
Telex: 30459
Cable: AGRES

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., VAX 11/750.

Memory size: 1MB
Disk drives: 67MBX4
Tape drives: 1
Terminals: 14
Printers: 2

III. SOFTWARE - OPERATING SYSTEM

Name: VMS
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable

The system's command language is: Fortran

Batch operations.
Online operations; Number of terminals: 14.

Type of system capability: single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Save old text, Full screen edit, Cancel latest revisions, Move text.

Features of query language: Boolean operators, Field-based search.

Search functions: Show results on screen, Print results.

Print generator: Sort, Indexing, Forms, Editing a format, Word processing.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Number of installations: 1
*Locations: In-house.

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I. GENERAL FEATURES

SYSTEM NAME: Automatic Processing of Information

Acronym: PAI

BACKGROUND and PRIMARY OBJECTIVES:
As INIS member, the CIN had the task of gathering, processing and sending to Vienna all documents of nuclear interest published in Brazil. At first the data were sent in paper tape punched by a FIDEN FLEXOWRITER. In 1975 the PAI was developed and as product we had a magnetic tape instead of the previous paper tape. Besides the magnetic tape for INIS, a copy of all tapes sent are maintained in Brazil, which produces the BIBEN (Brazilian Bibliography in Nuclear Energy).

GENERAL DESCRIPTION, MAIN FEATURES:
PAI is a batch system using only the HB (Honeywell Bull) text editor (on-line) for data correction. It handles the following elements : author's name, descriptor, corporate-entry, subject. PAI records a magnetic tape in interchange format (ISO2709) and also prints author names and bibliographic references.

PRODUCER:
Name: Nuclear Information Center
Address: General Severiano, 90, Rio de Janeiro, RJ 22.294,
BRAZIL
Telephone: (--5521)295-8640
Telex: 21280CNEN BR

For additional information contact:
Name: Altair Carvalho de Souza
Title: Director
Firm/Institution: Nuclear Information Center
Address: General Severiano, 90, Rio de Janeiro, RJ 22.294,
BRAZIL
Telephone: (--5521)295-8640
Telex: 21280CNEN BR

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Honeywell Information Systems, DPS 6/64.

Memory size: 512KB - 4MB
Disk drives: 200MB 1 unit - 200BM 32 units
Tape drives: Max. 16
Terminals: Max. 128
Printers: Max. 4

Other peripheral equipment: Card reader.

III. SOFTWARE - OPERATING SYSTEM

Name: GCOS
Record Management System (RMS): Index sequential
Utilities: Sort.

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IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: fixed & variable
Maximum record length: 2048

Batch operations.
Online operations; Number of terminals: 1.

Type of system capability: single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Insert text from external files.

Print generator: Forms, Editing a format.

Catalog functions: Print catalogs, Multiple copies.

Documentation: Available in Portuguese; Systems manual, Reference manual, Operations manual.

User can add application programs.
System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Number of installations: 2
*Locations: CIN/CICT.

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I. GENERAL FEATURES

SYSTEM NAME: Package for Archivists, Record Managers, Historians, Social Scientists and Information Scientists in the Business Environment and Public Services

Acronym: PARCH

Version: 1

BACKGROUND and PRIMARY OBJECTIVES:
The PARCH programs were written to provide a fully automated cataloguing, indexing and finding aid system for Glasgow University Archives, together with facilities allowing quantitative analysis of historical data sets. Although valuable experience was gained using other systems from 1979 onwards, PARCH program construction dates from October 1981. Future development should make PARCH available to a wide range of users interested in automated information retrieval and analysis of historical data. These users will not be required to have any experience of computing since it is intended that PARCH will have powerful facilities which are at the same time straightforward to handle.

GENERAL DESCRIPTION, MAIN FEATURES:
PARCH provides sort, cross-reference, automatic indexing and search facilities for the production of catalogues, indexes and finding aids for archives. Powerful count facilities allow quantitative historical research.

PRODUCER:
Name: University of Glasgow
Address: The Archives, The University, Glasgow, Scotland G12 8QQ, UNITED KINGDOM
Telephone: 041-339-8855, ext. 7515-7516-543

For additional information contact:
Name: Arnott T. Wilson
Title: Assistant Archivist
Firm/Institution: University of Glasgow
Address: The Archives, The University, Glasgow, Scotland G12 8QQ, UNITED KINGDOM
Telephone: 041-339-8855, ext. 7515-7516-543

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: ICL 2976, ICL 2980. Hardware features of system can be upgraded.

The software package is implementable on a mainframe computer. Configuration: International Computing Ltd., ICL 2976, ICL 2980.

Memory size: 2MB - 8MB
Disk drives: 100MB 8 units - 12 100MB + 4 200 MB drives
Tape drives: 2 - 4
Terminals: Max. 160 connected, max. 60 concurrent
Printers: 1 - 2

Other peripheral equipment: 3 5 MB drums: 7905 front-end processor giving access to a network through which a wide range of 1/P and O/P peripherals can be accessed.

III. SOFTWARE - OPERATING SYSTEM
Name: VME/B
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort, Count, Multiply, Rotate, Automatic Indexing, Search, Editing facilities, Verification.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: dependent on operating system
Maximum number of records: No limitation
Maximum number of fields/record: No limitation

The system's command language is: English, No restrictions

Batch operations.
Online operations; Number of terminals: Dependent on operating system.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode, KWIC-KWOC, Statistics, Indexing, Forms, Editing a format, Word processing.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English, PARCH Prospectus.

User can add application programs.
System update and/or maintenance is available.

VI. COST, INSTALLATION

Number of installations: 1
*Locations: University of Glasgow.

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I. GENERAL FEATURES

SYSTEM NAME: Perline-Pearl

Acronym: PEARL

Version: 1 Release date: July 82

BACKGROUND and PRIMARY OBJECTIVES:
Primary objective of PEARL is to provide libraries with the in-house capabilities to maintain and manage periodical/serials acquisitions and to provide dial-up services to Blackwells book and periodicals computerised file for bibliographic searching and ordering.

GENERAL DESCRIPTION, MAIN FEATURES:
The main function of PEARL is to assist libraries with the day-to-day management of serials and periodicals control, including automated check-in, computer-assisted claiming, circulation, on-line catalogue, and ordering. PEARL also features fund accounting and message switching facilities

PRODUCER:
Name: Blackwell Technical Services, Ltd
Address: Beaver House, Hythe Bridge Street, Oxford, Oxon OX1 2ET, UNITED KINGDOM
Telephone: 0865-44944
Telex: 83118
Cable: BOOKS OXFORD TELEX

For additional information contact:
Name: Dr. P.L. Holmes
Title: Managing Director
Firm/Institution: Blackwell Technical Services, Ltd
Address: Beaver House, Hythe Bridge Street, Oxford, Oxon OX1 2ET, UNITED KINGDOM
Telephone: 0865-44944
Telex: 83118
Cable: BOOKS OXFORD TELEX

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, VAX, All models.

Disk drives: 10MB 1 Winchester unit - 80MB multiple Winchester
Tape drives: 64KB Streaming Cartridge - 2MB Streaming Cartridge
Terminals: 1 (up to 4)
Printers: 1 - Multiple

Other peripheral equipment: N/A.

III. SOFTWARE - OPERATING SYSTEM

Name: MUMPS

Record Management System (RMS): DBMS
Name of DBMS: MUMPS
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: depends on application (n x 255)
Maximum number of records: No software limit

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: Dependent on machine size; smallest system - 4.

Type of system capability: multiple file, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files.

Features of query language: Numerical search, Search-term truncation, Adjacency of search terms, Enhancements available in subsequent updates.

Search functions: Display dictionary, Show results on screen, Print results.

Print generator: Sort, Decode, Statistics.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies, Budget control.

Circulation functions: Circulation of serials amongst a number of readers as in an industrial or governmental library but not a "charge out-charge in" system.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

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Special applications: Provides calculation, patron, and accounting files.

System is available without geographic limitations.
Warranty: 1 year.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: Up to $5,000
Conditions (for object code): Software also leased
Price range of hardware: $10,001 - $50,000

Special terms for developing countries: N/A

Number of installations: 3
*Locations: Confidential.

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I. GENERAL FEATURES
SYSTEM NAME: Portable and Extensible Data Management System

Acronym: PEDMS

Version: 2.12 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
PEDMS is a data base system especially suited for minicomputers and process control applications. The system is portable due to design in a high level language, operating system incompatibilities being handled by a few assembler modules. Thus the main part of the system can be easily transferred to all available 16/32-bit computers. PEDMS is able to run in a 24-hours-a-day, 7-days-a-week environment and can support distributed systems composed of different minicomuters.

GENERAL DESCRIPTION, MAIN FEATURES:
PEDMS is a data base system for distributed and real-time applications featuring continuous up-time, dynamic reorganization, enhanced data security by physical data redundancy, and support for distributed data bases. Within the data base,access paths are based on the inverted index concept and are dynamically maintained without need for reorganization. PEDMS has an interactive, parameter-driven query language and report generator facility. A set of utilities for the control and maintanance of the data base is available with PEDMS, as well as a data dictionary subsystem

PRODUCER:
Name: Infodas GmbH
Address: Rhonestr. 2, Koeln 71, Nordrhein-Westfalen D-5000,
FEDERAL REPUBLIC OF GERMANY
Telephone: 0221-701021
Telex: 08 883 439 info d

For additional information contact:
Name: Gerd Henselmann
Title: Diplom-Physiker
Firm/Institution: Infodas GmbH
Address: Rhonestr. 2, Koeln 71, Nordrhein-Westfalen D-5000,
FEDERAL REPUBLIC OF GERMANY
Telephone: 0221-701021
Telex: 08 883 439 info d

II. HARDWARE REQUIREMENTS
COMPUTERS: The system operates on: LSI, PDP 11, VAX 11 all

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models, MODCOMP and ATM mini-computers.

The software package is implementable on a mini computer. Configuration: Digital Equipment Corp., LSI 11, PDP 11, VAX 11, All models.

Memory size: 256KB - no limit
Disk drives: 10MB 1 unit - no limit
Terminals: 1 - no limit
Printers: 1 - no limit

III. SOFTWARE - OPERATING SYSTEM
Name: RSX-11/M VAX/VMS
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 4KB
Maximum number of records: No limit
Maximum number of fields/record: Limited by record length

The system's command language is: English and German, no other languages available.

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: Limited by operating system.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Insert text from external files, Move text, Copy text, Automatically cancellation of obsolete data.

Features of query language: Boolean operators, Numerical search, Adjacency of search terms, Thesaurus, Field-based search.

Search functions: Display dictionary, Print results.

Print generator: Sort, Indexing, Forms.

Acquisition functions: Preliminary search, Multiple copies.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

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Circulation functions: Multiple copies.

Documentation: Available in German; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Installation Guide.

Special applications: Real-time process control, information systems, document retrieval systems.

User can add application programs.
System is available in Europe.

Warranty: 6 months

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Price range of hardware: $10,001 - $50,000

Number of installations: 24
*Locations: Federal Republic of Germany.

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I. GENERAL FEATURES

SYSTEM NAME: Persoenliches Literatur-Informations-und-Dokumentations-System

Acronym: PLIDOS

Version: 8.0 Release date: Feb. 82

BACKGROUND and PRIMARY OBJECTIVES:
In view of the increasing spread of microcomputers as a cheap alternative hardware we started the development of a microcomputer-software to utilize this new tool for the information/documentation field. PLIDOS uses the microcomputer in two different applications: 1) The microcomputer as a complete information system in miniature which allows entry, storage and retrieval of information . 2) The microcomputer as an intelligent low-cost terminal with storage capabilities, which enables access to online-Data bases of any producer via several telecommunication networks. As an additional service, the conversion of stored citations from external data bases into elements of the stand-alone information system (Application 1) is possible. Since hardware and software costs are comparatively low DM 4000, PLIDOS opens even to small companies and institutions a comfortable way of solving their documentation problems.

GENERAL DESCRIPTION, MAIN FEATURES:
PLIDOS contains three main components: 1. information storage and retrieval software as a stand-alone system with floppy disk incl. data entry. Searching with Boolean operators and truncation as well as SDI and print functions. 2. Terminal software for telecommunication at 300 bauds incl. storage of queries and search results. Stored indentification procedures and search strategies may easily be reproduced for automatic dialog. Applicable to all hosts connected to DATEX-P. Any query language is possible. 3.Conversion software to use stored citations out of part 2 as automatic data entry for the part-1 information system

PRODUCER:
Name: Fachinformationszentrum Technik e.V
Address: Ostbahnhofstr. 13, Frankfurt 1 D-6000, FEDERAL REPUBLIC OF GERMANY
Telephone: 049-611-4308-225
Telex: 4 189 459 fizt d

For additional information contact:
Name: A. Schrode
Title: Dipl. Ing.
Firm/Institution: Fachinformationszentrum Technik e.V.
Address: Ostbahnhofstr. 13, Frankfurt 1 D-6000, FEDERAL REPUBLIC OF GERMANY
Telephone: 049-611-4308-225
Telex: 4 189 459 fizt d

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II. HARDWARE REQUIREMENTS

The software package is implementable on a micro computer.
Configuration: Commodore Business Machines, CBM 8032, CBM 8050.

Memory size: 32KB
Disk drives: double disk drives 2 X 0,5 MB
Terminals: 1
Printers: 1

Other peripheral equipment: Acoustic coupler with interface adapter.

III. SOFTWARE - OPERATING SYSTEM

Name: Commodore
Compilers:, no compiler, BASIC with interpreter
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum number of records: 220 to 2274 records per disk

The system's command language is: Self explcable menu-guided dialog

Online operations; Number of terminals: 1.

Type of system capability: single file search, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Insert text from external files.

Features of query language: Boolean operators, Search-term truncation, Field-based search.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Printing of single records, printing dictionary of search terms.

Documentation: Available in German; User guide.

Special applications: All kinds of documentation (e.g. literature, personal data, products, pictures, films).

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System is available without geographic limitations.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000 *Object Code: Up to $5,000
Price range of hardware: Up to $5,000

I. GENERAL FEATURES

SYSTEM NAME: POLYDOC

Acronym: POLYDOC (*)

Version: 5 Release date: May 82

BACKGROUND and PRIMARY OBJECTIVES:
POLYDOC is an EDP software package for storage, retrieval and dissemination of information. The first version was released in 1968 as a computer dependent system. A new version in 1972 programmed in COBOL was a portable system. The two first generations of the system were designed for index production only. The third generation of POLYDOC in Fortran IV and 77 was released in 1977. This system also has an online search system. There are yearly updates of the system. The system is run on NORD, VAX, PRIME and Univac computers; IBM, H-P 3000 and PDP versionswill be released in 1983. POLYDOC can be used as a batch system for production of KWAC, KWOC, KWIC and permuted indexes or online for establishing, managing and searching data base in all kinds of organisations,either in-house or in online centres.

GENERAL DESCRIPTION, MAIN FEATURES:
POLYDOC is an inverted file system. Data entry is done in "free-format". There are no fixed fields or fixed length of field. The system can handle : 50 different fields per record, 4000 characters per record and 40 different data bases. Searching allowed of fields, subfields and the text. Design of data base and layout of printed indexes are made according to users' requirementsand can be easily altered. Output in form listing, COM, tape for photocomposition and catalogue cards. The system is used in libraries for bibliographic data bases, in archives and for registration of chemicals, system routines, slides, products, computer programs, well data, seismic tapes, know-how, etc.

PRODUCER:
Name: Norwegian Centre for Informatics (NSI)
Address: Forskningsveien 1, Oslo 3, NORWAY
Telephone: 02-69-58-80
Telex: 72042 nsi n
Cable: ENSI

For additional information contact:
Name: Sissel Overlie
Title: Section Manager
Firm/Institution: NSI
Address: Forskningsveien 1, Oslo 3, NORWAY
Telephone: 02-69-58-80
Telex: 72042 nsi n

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II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: Norsk Data ND 10. In addition will be operational on IBM, PDP, VAX, PRIME, UNIVAC and HP 3000.

The software package is implementable on a mini computer.
Configuration: Norsk Data, ND 10.

Memory size: 50K - 64K
Disk drives: 20MB 1 Unit
Tape drives: Max. 1
Terminals: 1 - 16
Printers: Max. 1

III. SOFTWARE - OPERATING SYSTEM

Name: SINTRAN F
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 4000 characters
Maximum number of records: depending on computer
Maximum number of fields/record: 50

The system's command language is: Norwegian, English, Portuguese, Finnish and Swedish; all roman-alphabet based languages could be accommodated .
Batch operations.
Online operations; Number of terminals: Computer dependent.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Copy text.

Features of query language: Boolean operators, Search-term truncation, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query.

Print generator: Sort, Decode, KWIC-KWOC, Statistics, Indexing, Forms, Editing a format.

Catalog functions: Create, Remove, Print catalogs, Correct, Add.

Documentation: Available in Norwegian, English; Systems manual, Utilities manual, Operations manual, User guide.

System is available without geographic limitations.
Warranty: 1 month.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Price range of hardware: $50,001 - $100,000

Number of installations: 36
*Locations: In Norway, Sweden, Denmark, Portugal, available on request.

I. GENERAL FEATURES

SYSTEM NAME: PRECIS English-French/French-English Machine Translation System

Acronym: PRECIS (*)

Version: 1 Release date: Sep. 82

BACKGROUND and PRIMARY OBJECTIVES:
Developed for a Ph.D. Designed to translate indexing strings in the 'PRECIS' language that have been written for use in an indexing service or network from English to French, and from French to English. Designed to be easily adaptable to other string indexing languages.

GENERAL DESCRIPTION, MAIN FEATURES:
Designed to analyze indexing strings in either English or French, and to translate them into French or English, without human intervention

PRODUCER:
Name: DLIS, University of Technology
Address: Ashby Road, Loughborough, Leicestershire LE11 3TU, UNITED KINGDOM
Telephone: 0509-63171
Telex: 34319

For additional information contact:
Name: P.J. Hancox
Title: Research Fellow
Firm/Institution: DLIS, University of Technology
Address: Ashby Road, Loughborough, Leicestershire LE11 3TU, UNITED KINGDOM
Telephone: 0509-63171 ext. 5099
Telex: 34319

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digico P.L.C., M28.

Memory size: 28K per user
Terminals: 1
Printers: 1 (if wanted)

III. SOFTWARE - OPERATING SYSTEM

Name: DOS
Record Management System (RMS): Relative direct access, DBMS
Name of DBMS: DIGICO file manager system
Utilities: Sort.

****

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum number of records: as user requires
Maximum number of fields/record: 12

The system's command language is: English or French

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 1.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text.

Documentation: Available in English; Systems manual, Reference manual.

Special applications: Can be linked toa a system that produces a PRECIS printed index, on the same computer. .

User can add application programs.
System is available without geographic limitations.
Warranty: not decided.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: No charge *Object Code: No charge
Conditions (for source code): Not decided, (for object code): Not decided.
Price range of hardware: $10,001 - $50,000

Special terms for developing countries: Open to negotiation

Number of installations: 1
*Locations: Loughborough University.

I. GENERAL FEATURES

SYSTEM NAME: Microquery Package

Acronym: QUERY.COM

Version: 8.0E

BACKGROUND and PRIMARY OBJECTIVES:
QUERY.COM is a general purpose information retrieval package enabling the user to extract - quickly and easily - the information required from large quantities of data stored in data file. QUERY.COM provides for data file setup and editing of data files on any subject you like. Considerable freedom & flexibility regarding structure and size of files are available.

GENERAL DESCRIPTION, MAIN FEATURES:
QUERY.COM software follows the Hertforshire command standard and consists of the following programs: QUERY - Interrogation software. Extraction of information by specifying conditions (including statistical & arithmetic) are included in this program. QEDIT - Creation, editing and updating of data files. QSORT - Results of a search sorted into alphabetical or numerical order are available. QCLASS - Specification of ranges for numeric data & creation of tables or histogram QLABEL - Allows printout of labels utilizing data retrieved by QUERY

PRODUCER:
Name: Advisory Unit for Computer Based Education
Address: Endymion Road, Hatfield, Herts AL10 8AV, UNITED KINGDOM
Telephone: Hatfield 66121

For additional information contact:
Name: Ray Templeton
Title: Software Librarian
Firm/Institution: Advisory Unit for Computer Based Education
Address: Endymion Road, Hatfield, Herts AL10 8AV, UNITED KINGDOM
Telephone: Hatfield 66121

II. HARDWARE REQUIREMENTS

The software package is implementable on a micro computer.
Configuration: Research Machines Ltd., 380Z.

Memory size: 32K

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M

****

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum number of fields/record: 20

The system's command language is: English, no other languages available.

Type of system capability: single file search, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Move text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Nesting of instructions.

Acquisition functions: Preliminary search, Document creation.

Documentation: Available in English; User guide, Training manual.

System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: Up to $5,000
Price range of hardware: $5,001 - $10,000

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I. GENERAL FEATURES

SYSTEM NAME: QWIK-DRAFT III

Acronym: QWIK-DRAFT III (*)

release date: Aug. 78

BACKGROUND and PRIMARY OBJECTIVES:
Document files or published materials that require frequent revisions can be editied and updated instantly with Aspen's online interactive text-editing system-QWIK-DRAFT. QWIK-DRAFT III, an advanced version of the first commercially available CRT-based text-editing system, enables any part of extensive textual data bases to be retrieved and immediately altered on the basis of an entire document, paragraph, line or single word. From simple commands and function keys on cathode-ray tube terminals, the computer automatically reformats the text. QWIK-DRAFT III will retain earlier versions of documents so that changes become permanent only on user command.

GENERAL DESCRIPTION, MAIN FEATURES:
QWIK-DRAFT is an interactive "text-editing" system. QWIK-DRAFT is designed to aid in the creation, storage, maintenance, and revision of large collections of textual materials. QWIK-DRAFT is easy to learn, adaptable to many applications and inexpensive to operate. Editing of text is by means of simple commands or display manipulations on cathode-ray tube (CRT) terminals. QWIK-DRAFT can be used to create and maintain extensive document files, especially those undergoing frequent revisions, or being continually added to or enhanced. QWIK-DRART is ideal for creating documents such as manuals, manuscripts, contracts, proposals, reports, legislative bills and other text subject to frequent changes. Pre-stored document components (boilerplate) can be retrieved for display and updated with a minimum amount of effort. Publishing applications can use QWIK-DRAFT to develop final edited copy of their publications in a form which is not only highly suited for critical last minute changes, but one which may also serve as the first phase in a computerized composition process. Both writers and editors can participate in the real time development of the text to be published. Furthermore, QWIK-DRAFT allows for the retention of material over many publication cycles so that copy can be created at leisure for introduction into another publication at a later date

PRODUCER:
Name: Aspen Systems Corporation
Address: 1600 Research Boulevard, Rockville, MD 20850, U.S.A.
Telephone: 301-251-5000

For additional information contact:
Name: M. J. Goldenberg
Title: Vice President
Firm/Institution: Aspen Systems Coporation
Address: 330 Madison Avenue, New York, NY 10017, U.S.A.
Telephone: 212-883-0123

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 360, IBM 370, IBM 303X, IBM 4300.

Memory size: 72K (virtual) - 468K (virtual)
Terminals: TTY, 3270, 3780 or equivalents
Printers: Serial or Remote - Serial or Remote

III. SOFTWARE - OPERATING SYSTEM

Name: OS/VS/MVS
Record Management System (RMS): Relative direct access
Utilities: Work space management.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable

The system's command language is: English, no other languages available.

Online operations; Number of terminals: 50 - 200 depending on mainframe and network configuration.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Numerical search, Nesting of instructions.

Print generator: Editing a format, Word processing.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, User guide, Training manual.

System is available in North America.

Warranty: 12 months.

****

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Number of installations: 6

****

I. GENERAL FEATURES

SYSTEM NAME: R-CDS/ISIS

Acronym: R-CDS/ISIS (*)

Version: 3.2 Release date: Oct. 81

BACKGROUND and PRIMARY OBJECTIVES:
The R-CDS/ISIS is an adaptation of original CDS/ISIS system, made for IBM/360 and for RIAD computers. The main goal of the project was to make the system usable for computers which are in use in Poland. The plans concerned with R-CDS/ISIS are to implement it for Polish Nation-wide Information System using RIAD computers.

GENERAL DESCRIPTION, MAIN FEATURES:
R-CDS/ISIS is a generalized information storage and retrieval system. It is designed to operate on medium-size data bases. From a functional point of view it is quite compatible with UNESCO's CDS/ISIS. The system can work in batch and on-line mode. The main features are: print-edit and sort facilities oriented toward bibliographical applications, photocomposition, on-line search,update of multiple data bases

PRODUCER:
Name:Institute for Scientific, Technical and Ecomomic Information
Address: Ul. Zurawia 3/5, Warszawa 00-926, POLAND
Telephone: 218066
Telex: 813716 CINT PL

VENDOR:
Name: UNESCO
Address: 7, Place de Fontenoy, Paris 75700, FRANCE

For additional information contact:
Name: Dr. Henryk Rybinski
Title: Head of Division
Firm/Institution: Institute for Scientific, Technical and Economic Information
Address: Ul. Zurawia 3/5, Warszawa 00-926, POLAND
Telephone: 218066
Telex: 813716 CINT PL

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: Mera-Elwro, RIAD R-30, RIAD R-32, RIAD R-40, RIAD R-45, RIAD R-50, RIAD R-60.

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Memory size: 500KB - depending on implementation scale
Disk drives: EC 5055 30MB 1 unit or EC 5051 100MB 1 unit - depending on implementation scale
Tape drives: 1 - depending on implementation scale
Terminals: EC 7917 (for on line mode only) - depending on implementation scale
Printers: 1 - 2

III. SOFTWARE - OPERATING SYSTEM
Name: OS MFT at least rel. 4.0 or OS MVT rel. 4.0
Record Management System (RMS): Index sequential
Utilities: Sort, IEBISAM.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: variable
Maximum number of records: 1,000,000
Maximum number of fields/record: 100 fields per record

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: Depending on hardware installation.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Save old text, Full screen edit.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Full-text search.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query.

Print generator: Sort, Decode, KWIC-KWOC, Indexing, Editing a format.

Catalog functions: Create, Remove, Print catalogs, Correct, Add.

****

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide.

Special applications: Special applications of the package are possible by adding to the original software possibilities of specifying numerical terms. In addition, the special Data Manipulation Language has been designed enabling easy writing of special application programs operation on R-CDS ISIS data bases.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: No charge *Object Code: No charge
Conditions (for source code): Available for institutions which have signed CDS/ISIS agreement with UNESCO.

****

I. GENERAL FEATURES

SYSTEM NAME: RAMIS II

Acronym: RAMIS II (*)

Version: 2.1.01 Release date: Jan. 82

BACKGROUND and PRIMARY OBJECTIVES:
RAMIS was developed by Mathematica to support the decision-making process, although Mathematica used RAMIS strictly to support other professional services. In 1975 Mathematica entered the computer software marketplace, and Mathematica Products Group (MPG) was founded as a separate subsidiary. RAMIS II was designed and developed between 1975 and 1977. There are currently over 500 installations of RAMIS II in operation. RAMIS II is an applications package. The combination of a data base management system with an English-like non-procedural language facilitates the implementation of both ad hoc requests and entire production information systems.

GENERAL DESCRIPTION, MAIN FEATURES:
RAMIS II combines two technologies, data base management and non-procedural language, into a complete data system. The structure-independent RAMIS II data base alows the user to access data without knowing actual data or file structure; this facilitates prototyping and evolutionary file design. The English-like RAMIS II, non-procedural language eliminates the need to translate a request into complex computer language and then debug that program; in RAMIS II the user simply submits the request, in English. RAMIS II is an applications program which can be used for both ad hoc requests and entire production systems

PRODUCER:
Name: Mathematica Products Group
Address: P.O.B. 2392 Princeton Station Office, Princeton, NJ 08540, U.S.A.

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 360, IBM 370, IBM 30XX, IBM 43XX.

Memory size: 300-500K depending on operating system
Disk drives: units less than 15 cylinders
Tape drives: 1

III. SOFTWARE - OPERATING SYSTEM

Name: Operates in all major IBM operating environments - OS, VS, MVS, DOS/VS(E), etc.
Compilers:, None required
Record Management System (RMS): DBMS
Name of DBMS: RAMIS II
Utilities: International sort utility provided.

****

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric, graphic
Record length: fixed
Maximum record length: 92,000 bytes/record
Maximum number of records: none
Maximum number of fields/record: none

The system's command language is: English

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: RAMIS II is an application package. Terminal support is a function of the host system.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Insert text from external files.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode, Statistics, Indexing, Forms.

Acquisition functions:, All can be designed using RAMIS II.

Catalog functions:, All can be designed using RAMIS II.

Circulation functions: All can be designed using RAMIS II.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

Special applications: See RAMIS II Users Manual "RAMIS II Service Procedures".

User can add application programs.
System is available in North America, Europe, South America,

Oceania.

Warranty: 12 months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $50,001 - $100,000
Number of installations: 500

I. GENERAL FEATURES

SYSTEM NAME: Rapport Database Management System

Acronym: RAPPORT

Version: 3 Release date: Mar. 82

BACKGROUND and PRIMARY OBJECTIVES:
RAPPORT is a proven, portable relational data base management system. It was released commercially in October 1979. It runs on most mainframe and mini computers. Also MICRORAPPORT runs on 8-bit micro computers. Rapport combines the power of traditional data base systems with the benefits of the new relational approach to structuring data.

GENERAL DESCRIPTION, MAIN FEATURES:
RAPPORT is a portable, relational data base system for most mainframe and mini computers. It has interfaces to COBOL, FORTRAN and CORAL programs as well as its own interactive query language for online report generation, data entry and updating, and answering ad hoc enquiries. RAPPORT also has backup and recovery, multi-user access and data security facilities

PRODUCER:
Name: Logica Ltd.
Address: 64, Newman Street, London W1A 4SE, UNITED KINGDOM
Telephone: 1-637-9111
Telex: 27200

For additional information contact:
Name: Colin Banfield
Title: Sales Manager
Firm/Institution: Logica Ltd
Address: 64, Newman Street, London W1A 4SE, UNITED KINGDOM
Telephone: 1-637-9111
Telex: 27200

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: more than 40 types of computers, micro, mini, mainframe. Which have a Fortran compiler.

Memory size: 64KB - any size
Disk drives: 10MB 1 unit - any size any number
Tape drives: Max. any number
Terminals: 1 - any number
Printers: 1 - any number

III. SOFTWARE - OPERATING SYSTEM

Name: any giving direct access disc I/O
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed
Maximum record length: no limit
Maximum number of records: Maximum Fortran integer
Maximum number of fields/record: Maximum Fortran integer

The system's command language is: English, Other languages available

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: Any number/practical limit of 20.

Type of system capability: multiple file.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Cancel latest revisions, Insert text from external files.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Statistics, Indexing, Editing a format.

Acquisition functions: Preliminary search.

Catalog functions: Create, Remove, Print catalogs, Correct, Add.

Circulation functions: Borrower master file, Control of overdue items, Circulation field codes, Reserving an item.

Documentation: Available in English, Japanese; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

Special applications: Stock Control, Time-Sheet Analysis, Personnel Administration, Project management, Computer Aided

Design, Science Data Analysis, System Prototyping, Financial Management.

User can add application programs.
System is available without geographic limitations.
Warranty: 6 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Special terms for developing countries: None

Number of installations: 130+
*Locations: UK: BP London, Shell Chester, Unilever Bedford, British Gas London, ICI Merseyside, Gec Rugby, STC London, Burmah Oil Swindon.

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I. GENERAL FEATURES
SYSTEM NAME: Real Time Advanced System for Mass Updating and Storage

Acronym: RASMUS

Version: 2.J Release date: Feb. 82

BACKGROUND and PRIMARY OBJECTIVES:
The system was first developed for Erasmus University, Rotterdam, Holland, for research into economic considerations of North Sea oil production. It was subsequently further developed in conjunction with certain medical research teams connected through Cambridge University. Its primary objective is the storing and instant retrieval of totally unstructured information such as the precis of scientific papers, experiments, conversations, meetings, questionnaires, etc..

GENERAL DESCRIPTION, MAIN FEATURES:
The system is based on a Master Key Word File with associated sub-key words to any number of levels (The Thesaurus). Abstracted information is entered with reference to the Thesaurus and stored using an Inverted File Technique. Additional structured information such as Author, language, etc. may be stored, plus a free format precis. Searches of the data base may be performed using various boolean operators on the thesaurus, with instantaneous access due to the Inverted File Technique. Subsequent refining of the search may be carried out by reference to the information in the structured element of the abstract

PRODUCER:
Name: Dudley Evans Computer Ltd
Address: Archer House, 15 Market Square, Ely, Cambs CB7 4NR, UNITED KINGDOM
Telephone: 0353-3205

For additional information contact:
Name: Dudley Evans
Title: Managing Director
Firm/Institution: Dudley Evans Computer Ltd
Address: Archer House, 15 Market Square, Ely, Cambs CB7 4NR, UNITED KINGDOM
Telephone: 0353-3205

II. HARDWARE REQUIREMENTS
COMPUTERS: The system operates on: PERTEC PCC 200, system

S500, ACT Sirius. The system can operate on any CP/M based mini or micro computers (including MP/M, CP/M86, MP/M86).

The software package is implementable on a mini computer. Configuration:.

Memory size: 64K - Any increase makes the system more efficient
Disk drives: 1,2MB 2 units - Up to 80MB supported but any increase makes the system more efficient
Terminals: Teletype/VDU - Up to 16 VDUs
Printers: Teletype - Any printer the host system supports

Other peripheral equipment: CP/M or MP/M Memory Disk is an optional extra which speeds up the system's operation, but is not essential.

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M, CP/M86, MP/M, MP/M86
Record Management System (RMS): Index sequential, Relative direct access
Others: All file handling is written in Basic code and needs no special file handling systems
Utilities: Sort, Overnight Batch Data Capture and Verify.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 32,766 bytes
Maximum number of records: 32,766 (per data base)
Maximum number of fields/record: 32,766

The system's command language is: English. As requred after a simple translation process

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 16.

Type of system capability: multiple file, simultaneous file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Insert text from external files, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results

on screen, Print results, Revise query.

Print generator: Sort, Indexing, Forms, Editing a format, Word processing.

Acquisition functions: Preliminary search, Document creation, Displaying the document.

Catalog functions: Create, Remove, Print catalogs, Correct, Add.

Circulation functions: Borrower master file, Circulation field codes.

Documentation: Available in English; Systems manual, Reference manual, User guide, Training manual, All programs in the system have one section of the training manual held in the computer, and these will displayed on the VDU screen full at a time, on request.

Special applications: Library Cataloguing. Scientific Paper Cataloguing, Indexing of Experiments and results, Questionnaire Analysis, Market Research, Criminal Activity Examination, Medical Records and Patient/Disease Analysis, Correspondence Filing, Minutes of Meetings.

User can add application programs.
System is available in Europe.

Warranty: Any notified malfunction will be corrected at any time.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $5,001 - $10,000 *Object Code: Up to $5,000
Conditions (for source code): Only on personal assurance of non-disclosure, (for object code): Licence not to pass on copies to third party.
Price range of hardware: $5,001 - $10,000

Special terms for developing countries: None

Number of installations: 6

*Locations: Rotterdam University, Institute of Complementary Medicine, Threshold Foundation, Welding Institute, Brian Cloke & Co., Dudley Evans Computers Ltd.

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I. GENERAL FEATURES

SYSTEM NAME: Remote Console Informatics Version

Acronym: RECON IV

Version: 3.1

BACKGROUND and PRIMARY OBJECTIVES:
Informatics General Corporation began development of the RECON IV System in the early 1970's and has, over the years, redesigned it to both meet the needs of its customers and to fully utilize advancing hardware technology. This maturation has provided a very effective data base management and retrieval system that can be customized for many different applications.

GENERAL DESCRIPTION, MAIN FEATURES:
The Informatics RECON IV System comprises both information retrieval and data base management software. The data management system, STIMS IV, is based on an inverted file structure organization. The retrieval system, RECON IV , is designed for use as a shared information retrieval system. It is accessed in an online interactive mode by users in a time-sharing environment

PRODUCER:
Name: Informatics General Corporation
Address: 6011 Executive Boulevard, Rockville, MD 20852, U.S.A.
Telephone: 301-770-3000

For additional information contact:
Name: Robert B. Johnson
Title: Vice President & General Manager
Firm/Institution: Informatics General Corporation
Address: 6011 Executive Boulevard, Rockville, MD 20852, U.S.A.
Telephone: 301-770-3000

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370, IBM 30XX, IBM 4341.

Memory size: 500K - 1,000K
Disk drives: 1 Disk drive 317.5MB (IBM 3350) 1 unit
Tape drives: Max. 2
Terminals: 1
Printers: 1 - 1

III. SOFTWARE - OPERATING SYSTEM

Name: MVS (VS2) or under OS/VS2 TSO
Record Management System (RMS): Relative direct access
Utilities: Sort.

****

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Maximum record length: in theory over 4 billion (200,000 tested)
Maximum number of records: No limit (2 million tested)
Maximum number of fields/record: 254

The system's command language is: English ;any other could be accommodated.
Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 50 +.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Cancel latest revisions.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full-text search, Text range and universal character.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query.

Documentation: Operations manual, User guide.

System is available without geographic limitations.
Warranty: 6.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: More than $100,000
Price range of hardware: More than $100,000

Special terms for developing countries: None

Number of installations: 3

****

I. GENERAL FEATURES

SYSTEM NAME: REPERTOIRE

Acronym: REPERTOIRE (*)

release date: '78

BACKGROUND and PRIMARY OBJECTIVES:
The primary aim is to make a reference table of French speaking geographers.

GENERAL DESCRIPTION. MAIN FEATURES:
Creation of Repertory. Indexes included : Geographical themes; Places; Addresses; Related bodies.

PRODUCER:
Name: Joly Laboratoire Intergeo du CNRS
Address: 191 rue Saint Jacques, Paris 5 ème, FRANCE

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370/168.

Memory size: 200K
Disk drives: 3M.0 1 unit - 20M.0 1 unit
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: VMS
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 80

The system's command language is: French, no other languages available.

Online operations; Number of terminals: 1.

Type of system capability: simultaneous file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Full screen edit.

Features of query language: Search-term truncation, Full-text search.

Search functions: Show results on screen, Print results.

Print generator: Editing a format.

Acquisition functions: Document creation, Displaying the document.

Catalog functions: Create, Print catalogs, Add, Multiple copies.

System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:

Number of installations: 1

****

I. GENERAL FEATURES

SYSTEM NAME: Computerized Index of the Pan American Network of Information and Documentation in Environmental Engineering and Science

Acronym: REPINDEX

release date: Jan. 82

BACKGROUND and PRIMARY OBJECTIVES:
The system was developed in 1981 to produce the quarterly REPINDEX abstract journal together with indexes by subject and title, author, corporate authority and geographic location. Spanish is the carrier language. The first issue appeared in March 1982, and that subsequent issues have contained 700 entries each. The REPINDEX systems is comprised of two major software components. The principal software system used is CDS/ISIS as developed by UNESCO. The CDS/ISIS system is resident at an external computer service bureau. To reduce total operating costs CDS/ISIS is only used in batch mode to create, update, process and retrieve from the regional documentary data base. The second component is an in-house microcomputer-based software sub-system which serves as an efficient pseudo online data input and correction cycle.

GENERAL DESCRIPTION, MAIN FEATURES:
The features of CDS/ISIS are already well known. The CEPIS microcomputer package performs 8 major functions and totals some 50 different programs. Briefly, it allows for online data input, editing and preprocessing; verification and consistency check routines; intermediate sorts and listings for proofing; generation of document records in ISIS batch input format on IBM compatible diskettes; and high quality printout of ISIS output (in diskette) for subsequent offset printing. This hybrid configuration has been successful in reducing overall processing costs while maintaining efficient production rates. The system is being continually expanded to manage additional data files such as the library catalog, a regional union catalog of serial publications, a directory of environmental health institutions, and the system's microthesaurus.

PRODUCER:
Name: Pan American Health Organization-CEPIS
Address: P.O.B. 4337, Lima 100, PERU
Telephone: 35-4135
Telex: 21052
Cable: CEPIS LIMA (PERU)

For additional information contact:
Name: Carl R. Bartone
Title: Technical Coordinator
Firm/Institution: CEPIS
Address: Los Pinos 259 - Urbanizacion Camacho, Lima 3.
PERU
Telephone: 35-4135
Telex: 21052
Cable: CEPIS LIMA (PERU)

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 4341, and a WANG 2200T.

The principal package is implementable on a mainframe computer.
Configuration: IBM 4341; specifications of this installation follow :

Memory size: 4MB
Disk drives: 620MB
Tape drives: 1600 BPI
Terminals: 1 (3278)
Printers: 1 (3203-7) of 1200 L/m
For the CEPIS package see IV below.

III. SOFTWARE - OPERATING SYSTEM

Name: CDS/ISIS as principal application package.
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 3,000
Maximum number of records: 99,999

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: The microcomputer (CEPIS) subsystem has 3 terminals operating. An additional terminal is possible.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Full-text search, Alternative query languages.

Search functions: Show results on screen, Print results, Save query.

Print generator: Sort, Decode, Statistics, Indexing, Editing a format.

Acquisition functions: Preliminary search, Displaying the document.

Catalog functions: Print catalogs, Correct, Add.

Documentation: Available in English; Systems manual, Reference manual, Operations manual, User guide, Training manual.

User can add application programs.
System is available in North America, South America.

System update and/or maintenance is available.

VI. COST, INSTALLATION

Number of installations: 1
*Locations: Petroleos del Peru. Paseo de la Republica 3361. Lima 27, Peru (for CDS/ISIS); in-house (for CEPIS).

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I. GENERAL FEATURES

SYSTEM NAME: RESPONSA Full-text Retrieval System

Acronym: RESPONSA

BACKGROUND and PRIMARY OBJECTIVES:
RESPONSA is a full-text document retrieval system designed for the Hebrew RESPONSA literature. (This is a collection of Rabbinical documents written in Hebrew, spanning 1000 years and 30 countries, mostly relating to Judicial decisions). RESPONSA began in 1967 as a joint project with the Weizman Institute and Bar-Ilan Univetsity, located in Israel. Since 1975 it is located and operated by the Institute of Information Retrieval and Computational Linguistics at Bar-Ilan University.

GENERAL DESCRIPTION, MAIN FEATURES:
RESPONSA consists of 3 units: retrieval component, display component, and a linguistic one. The retrieval function allows for searching utilizing words, sentences, paragraphs and boolean operators. The display option is particularly rich in browsing functions that allow for an efficient and rapid sieving of the non relevant documents. The linguistic component allows for online retrieval of all grammatical and linguistic variants of a given stem. Formal lingusitic processing is also available where a search term can be prefixed, suffixed or infixed with universal variable-length characters, etc.

PRODUCER:
Name: IRCOL Institute for Informaton Retrieval and
Computational Linguistics
Address: Bar-Ilan University, Ramat-Gan, ISRAEL
Telephone: 03-718411
Telex: 35741 SHUT IL

For additional information contact:
Name: Prof. Yaacov Choueka
Title: Head
Firm/Institution: IRCOL
Address: Bar-Ilan University, Ramat-Gan, ISRAEL
Telephone: 03-718267
Telex: 35741 SHUT IL

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370/168.

Memory size: 256K - 1000K
Disk drives: 300MB 2 units - 300MB 2 units
Terminals: 1 - 5
Printers: 1 - 5

III. SOFTWARE - OPERATING SYSTEM

Name: MVS/370

Record Management System (RMS): Index sequential
Others: VSAM
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 500,000 bytes
Maximum number of records: 540,000
Maximum number of fields/record: N/A

The system's command language is: Specially designed

Batch operations.
Online operations; Number of terminals: 40.

Type of system capability: multiple file, simultaneous file search, single file search.

Features of query language: Boolean operators, Search-term truncation, Adjacency of search terms, Full-text search.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query.

Print generator: Sort, KWIC-KWOC, Statistics.

Documentation: Available in English and Hebrew; User guide.

System is available without geographic limitations.
System update and/or maintenance is available.

VI. COST, INSTALLATION
Price range of hardware: More than $100,000

Number of installations: 2
*Locations: Bar-Ilan University, Ramat-Gan, Israel; Institute for Computers in Jewish Life, Chicago, USA.

I. GENERAL FEATURES

SYSTEM NAME: RETRIV

Acronym: RETRIV (*)

Version: 2 Release date: Jun. 82

BACKGROUND and PRIMARY OBJECTIVES:
The system was developed at the Working Life Research Center between 1978 and 1980, revised in 1982. Used in production since 1978 in two places, libraries with own data bases (between 2000 and 30,000 documents) Primarily built to support bound keyword indexing.

GENERAL DESCRIPTION, MAIN FEATURES:
RETRIV complements SIMULA as an indexing mechanism to support fast retrieval for data bases up to 130,000 records. RETRIV allows access to a data base through inverted files. The program loops asking for a search file. The profile is evaluated with the user being informed of the number of hits. Then the user can choose between a full-screen readout of records or to give an additional search expression to restrict the set

PRODUCER:
Name: DK Datakultur AB
Address: Bastugatan 1, Stockholm 11720, SWEDEN
Telephone: 08-449470

For additional information contact:
Name: Kalle Makila
Title: Manager
Firm/Institution: DK Datakultur AB
Address: Bastugatan 1, Stockholm 11720, SWEDEN
Telephone: 08-44970

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: Digital Equipment Corp., DEC 10, DEC 20, All models.

Memory size: 200KB
Disk drives: 20MB

III. SOFTWARE - OPERATING SYSTEM

Name: TOPS-10, TOPS-20
Compilers: Assembler, SIMULA
Record Management System (RMS): DBMS
Name of DBMS: SIMDBM

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IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum number of records: 130,000

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: No special limit.

Type of system capability: multiple file.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full-text search.

Search functions: Display dictionary, Show results on screen, Print results, Save query.

Print generator: Forms, Editing a format.

Acquisition functions: Preliminary search, Document creation, Displaying the document.

Catalog functions: Print catalogs, Correct, Add.

Documentation: Available in Swedish and some English; Systems manual, Utilities manual, Operations manual, User guide.

User can add application programs.
System is available in Europe, At the moment only in Sweden.

There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: No charge
Conditions (for object code): Not yet decided.
Price range of hardware:

Number of installations: 2
*Locations: Svenska Träforskningsinstitutet, Drottning Kristinas Väg 53-69, 114 86 Stockholm, Sweden. Stckholms Datamaskincentral för högre utbildning och forskning, 104 50

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Stockholm 80, Sweden.

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I. GENERAL FEATURES

SYSTEM NAME: Relational interface to CDS/ISIS data bases

Acronym: REVISD

Version: 1.0 Release date: Dec. 82

BACKGROUND and PRIMARY OBJECTIVES:
In some applications of information storage retrieval systems, the neccessity of obtaining aggregated and statistical data characterizing the overall structure and content of objects described by data base records may appear. If the IRS package does not provide facilities for more complex data processing and the cost-efficiency considerations do not justify the installation of an universal DBMS, a specialized interface system may be used.

GENERAL DESCRIPTION, MAIN FEATURES:
The goal of REVISD is to complement CDS/ISIS facilities. Data entry, data base maintenance and standard information retrieval are performed by CDS/ISIS procedures. Records from CDS/ISIS Master file may be sent to REVISD for further processing. According to specifications written in DDL (Schema, Subschema) selected data are extracted from CDS/ISIS Master records and are combined into tuples of a relational data base. This data base may then be processed by simple manipulation programs written in DML based on relational algebra. The program consists of assignment statements, PRINT statements and auxiliary instructions. There are 6 standard operations defined in DML: union, intersection, difference, natural join, selection, projection. To facilitate data aggregation a special glueing operator is introduced. The powerful but still easy to use PRINT statement allows for a variety of user specified table printouts to be produced

PRODUCER:
Name: Institute for Scientific, Technical and Economic Information
Address: Ul. Zurawia 3/5, Warszawa 00-926, POLAND
Telephone: 218066
Telex: 813716 CINT PL

For additional information contact:
Name: B. Szymanski, J. Dobosz
Title: Head of Division
Firm/Institution: Institute for Scientific, Technical and Economic Information
Address: Ul. Zurawia 3/5, Warszawa 00-926, POLAND
Telephone: 218066
Telex: 813716 CINT PL

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II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 360/50, IBM 370/142 and the RIAD computer.

The software package is implementable on a mainframe computer. Configuration: IBM, IBM 360/50, IBM 370/142.

Memory size: 400KB
Disk drives: 2314 or EC 5055 30MB 1 unit
Printers: 1

Other peripheral equipment: Card reader.

III. SOFTWARE - OPERATING SYSTEM

Name: OS

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable

The system's command language is: English, no other languages available.

Batch operations.
Type of system capability: single file search.

Data entry and revision functions: Data validation, Find text.

Features of query language: Boolean operators, Numerical search, Full-text search, Nesting of instructions.

Search functions: Print results.

Print generator: Sort, Statistics, Forms, Editing a format.

Documentation: Available in English; Systems manual.

System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $5,001 - $10,000 *Object Code: Up to $5,000

Number of installations: 1
*Locations: In-house.

I. GENERAL FEATURES
SYSTEM NAME: RPORTS

Acronym: RPORTS

Version: 1.1 Release date: 80

BACKGROUND and PRIMARY OBJECTIVES:
RPORTS was developed by YARD Ltd. to assist in the production of Yard's technical documentation. It had been found that standard word processing systems could not cope with the large documents and strict formating standards that we as consulting engineers, and our clients, required in reports and technical manuals.

GENERAL DESCRIPTION, MAIN FEATURES:
RPORTS is a text formatting package designed for the production of technical documents such as large reports, proposals and manuals. Features include multi-line automatic page headings and footings with interchange for double sided printing; automatic page paragraph and sub-paragraph numbering in various styles; multiple contents and index generation from text or as specific entries. RPORTS will run concurrently with other programs on completely standard commercially available DEC PDP-11 computer hardware running under RSTS/E. A version operating under RSX 11M, will be available in 1983

PRODUCER:
Name: YARD Ltd.
Address: Charing Cross Tower, Glasgow, Scotland G2 4PP, UNITED KINGDOM
Telephone: 041-204-2737
Telex: 77380
Cable: YARD GLASGOW

For additional information contact:
Name: D.P. Copinger
Title: Project Co-ordinator
Firm/Institution: YARD Ltd.
Address: Charing Cross Tower, Glasgow, Scotland G2 4PP, UNITED KINGDOM
Telephone: 041-204-2737
Telex: 77380
Cable: YARD GLASGOW

II. HARDWARE REQUIREMENTS
The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, All models.

Memory size: 64KB
Disk drives: Any DEC RSTS/E compatible disk drive
Tape drives: not required
Terminals: Any terminal
Printers: Any supported line printer

Other peripheral equipment: DIABLO 1600 & 600 series printer (Daisy Wheel). Facilities exist for users to insert special control codes into the source text which can be used to drive non-standard devices operating with RS232C XON XOFF line protocol.

III. SOFTWARE - OPERATING SYSTEM

Name: RSTS/E
Compilers:, Compiled binaries supplied
Others: Input and output files are serial text files (ASCII code)

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Maximum record length: 256 characters
Maximum number of records: Any number limit by hardware capacity
Maximum number of fields/record: N/A

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: No restriction on software - i.e. as many as the computer configuration will suport.

Type of system capability: multiple file.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Print generator: Word processing.

Acquisition functions: Document creation.

Documentation: Available in English; Reference manual, User guide, Installation guide, Command reference card.

System is available without geographic limitations.
Warranty: 3.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $5,001 - $10,000

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Price range of hardware: $10,001 - $50,000

Number of installations: 2
*Locations: In-house; Edinburgh.

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I. GENERAL FEATURES

SYSTEM NAME: RTFILE

Acronym: RTFILE (*)

Version: 4.0 Release date: Jan. 82

BACKGROUND and PRIMARY OBJECTIVES:
RTFILE is an interactive relational data base management system for DEC PDP-11 and LSI-11 computers. RTFILE is designed for maximum functionality with a minimum of user training. The forms-oriented menu-driven utilities of RTFILE enable end-users' to perform many common data processing tasks without prior programming experience or knowledge.

GENERAL DESCRIPTION, MAIN FEATURES:
RTFILE is an interactive relational data base management system for users of DEC PDP-11 and LSI-11 computers. RTFILE can perform a wide range of data processing tasks through its menu-driven utilities designed for maximum functionality with minimal user training. There is, however, an object library of FORTRAN, OMSI-PASCAL, and MACRO-callable subroutines to facilitate the job of application coding when programming is necessary or desired

PRODUCER:
Name: Contel Information Systems
Address: 4330 East West Highway, Suite 200, Bethesda, MD 20814, U.S.A.
Telephone: 301-654-9120
Telex: 710-824-0414

For additional information contact:
Name: Robert C. Natale
Title: Product Manager
Firm/Institution: Contel Information Systems
Address: 4330 East West Highway, Suite 200, Bethesda, MD 20814, U.S.A.
Telephone: 301-645-9120
Telex: 710-824-0414

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, LSI 11, All models.

Memory size: 64KB - unlimited
Disk drives: 5MB - unlimited
Tape drives: not required
Terminals: 1
Printers: optional

III. SOFTWARE - OPERATING SYSTEM

Name: RT-11, TSX-PLUS, SHARE-ELEVEN, RSX, STAR-ELEVEN

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Record Management System (RMS): DBMS
Name of DBMS: RTFILE
Utilities: Sort, Select, mathematical calculations.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 512 bytes
Maximum number of records: unlimited
Maximum number of fields/record: unlimited

The system's command language is: English, German, French, Italian, Japanese (Katakana)

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: unlimited.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode, Statistics, Indexing, Forms, Editing a format, Word processing.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies, Budget control.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items,

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Circulation statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

User can add application programs.
System is available in North America.

Warranty: 3 months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $10,001 - $50,000 *Object Code: Up to $5,000
Conditions (for object code): RTFILE is available for $1,500 - $7,000 depending on options.
Price range of hardware: $10,001 - $50,000

Number of installations: 250
*Locations: Hammond Software, 22 Am Feldborn, D-3400 Goettingen West Germany; McDonnell-Doouglas Corporation Mail Code 133, 5301 Bolsa Avenue, Huntington Beach, Ca 92647, USA.

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I. GENERAL FEATURES

SYSTEM NAME: S.I.B.I.L. Système Informatisé pour les Bibliothèques Universitaires de Lausanne

Acronym: S.I.B.I.L.

Version: 1.1 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
SIBIL has been developed to manage the different libraries of Lausanne concerning acquisitions, cataloging and circulation. It has evolved into a smallregional network centered on a single host. Nowadays, as other libraries in Switzerland and France have decided to adopt this software, a network concept (REBUS: Réseau des Bibliothèques Utilisant SIBIL) is now emerging. An on-line network should link the different data bases for searching and later for cataloging.

GENERAL DESCRIPTION, MAIN FEATURES:
Cataloging: On-line access and on-line cataloging via CRT. Searching by match-codes, later boolean and tree-type accesses. Acquisitions: On-line management of orders. On-line maintenance of furnisher's files. Circulation: On-line management of circulation. On-line maintenance of patrons file

PRODUCER:
Name: Bibliothèque Cantonale et Universitaire
Address: Place de la Riponne 6, 1005 Lausanne, SWITZERLAND
Téléphone: 021-22-88-31

For additional information contact:
Name: J.P. Clavel
Title: Director
Firm/Institution: Bibliothèque Cantonale et Universitaire
Address: Place de la Riponne 6, 1005 Lausanne, SWITZERLAND
Téléphone: 021-46-32-00

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370/148, IBM 3031, IBM 4341.

Memory size: 512K
Disk drives: 317MB 3 Units
Tape drives: 2
Terminals: 2 - 200
Printers: 2 - 30

III. SOFTWARE - OPERATING SYSTEM

Name: VM/CMS (OS/VS1)
Record Management System (RMS): Index sequential
Others: VSAM/KSDS, CICS/VS
Utilities: Sort, All IBM Utilities.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: 80 Bytes
Maximum number of records: Unlimited
Maximum number of fields/record: Unlimited

The system's command language is: French; German and others possible.

Batch operations.
Online operations; Number of terminals: More than 150.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Insert text from external files.

Features of query language: Search-term truncation, Field-based search, Boolean search and tree-type access will soon be available.

Search functions: Show results on screen, Print results.

Print generator: Sort, KWIC-KWOC, Statistics, Forms, Editing a format.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies, COM Catalogs.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Multiple copies.

Documentation: Available in French; Systems manual, Reference manual, Operations manual, Internal format manuals.

Special applications: Union catalog for bio-medical periodicals.

User can add application programs.
System is available in Europe.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $10,001 - $50,000
Conditions (for source code): No charge for Switzerland.
Number of installations: 5
*Locations: Switzerland: Lausanne (including Geneva), Basle, Sankt-Gallen. France: Paris (Ecole Polytechnique), Montpellier (BIU).

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I. GENERAL FEATURES

SYSTEM NAME: Data Base Management System by Relational Schema

Acronym: SABER

Version: 1 Release date: 78

BACKGROUND and PRIMARY OBJECTIVES:
Data base management system was developed in-house to support CNEN needs on gerential information systems.

GENERAL DESCRIPTION, MAIN FEATURES:
Systems based on partially inverted files including data manipulation language, data definition language and utilities for the initial loading of the data base

PRODUCER:
Name: Nuclear Information Center
Address: General Severiano, 90, Rio de Janeiro, RJ 22.294, BRAZIL
Telephone: (--5521)295-8640
Telex: 21280CNEN BR

For additional information contact:
Name: Altair Carvalho de Souza
Title: Director
Firm/Institution: Nuclear Information Center
Address: General Severiano, 90, Rio de Janeiro, RJ 22.294, BRAZIL
Telephone: (--5521)295-8640
Telex: 21280CNEN BR

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Honeywell Information Systems, DPS 6/64.

Memory size: 512KB - 4MB
Disk drives: 200MB 1 unit - 200MB 32 units
Tape drives: Max. 16
Terminals: Max. 128
Printers: Max. 4

Other peripheral equipment: Diskette unit, Card reader, Datanet (front end processor).

III. SOFTWARE - OPERATING SYSTEM

Name: GCOS
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: 3156
Maximum number of fields/record: 255

Batch operations.
Online operations; Number of terminals: 1.

Type of system capability: single file search.

Documentation: Available in Portuguese; Systems manual, Reference manual, User guide.

User can add application programs.
System update and/or maintenance is available.

V. COST, INSTALLATION

Number of installations: 1
*Locations: CIN.

I. GENERAL FEATURES

SYSTEM NAME: Search And Find

Acronym: SAF

Version: 3.0 Release date: Apr. 82

BACKGROUND and PRIMARY OBJECTIVES:
We were involved in programming the IMDOC and FACTMATCHER systems developed by Industri-Matematik in Stockholm. We wanted to see whether a real state-of-the-art information retrieval system could be implemented on a micro computer and integrated with a word processing and/or form handling package. Work started in December of 1979 and finished (for the first version) in November of 1981, second and third versions completed in 1982.

GENERAL DESCRIPTION, MAIN FEATURES:
Search And Find is an all-purpose information retrieval system for micro computers. Documents are entered and edited using an integrated word processing package (normally MicroPro's WordStar (R)). A search index is updated periodically. There is no need to mark search words in the documents, as all different words in all documents are indexed. The user can however define words that will not be searchable. He may also define synonyms. Searching for documents is made by specifying words, singly or in combination, that are to appear (or not appear) in the requested documents

PRODUCER:
Name: Program-Makarna AB
Address: Johannesgränd 1, Stockholm S-111 30, SWEDEN
Telephone: 08-144340
Telex: 15934
Cable: PROGRAM S

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: any computer with Z80, 8080 or 8085 processor and CP/M or MP/M and 64KB int. memory, 8086 or 8088 processor and CPM-86 or MP/M-86.

The software package is implementable on a micro computer.
Configuration:.

Memory size: 64KB
Disk drives: 500KB 1 unit or 350KB 2 units - 32MB 16 units
Terminals: 1 - 8

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M, MP/M, CP/M-86, MP/M-86
Compilers: Assembler, Pascal
Record Management System (RMS): Relative direct access
Others: Inverted File
Utilities: Batched input and input of documents.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric, graphic
Record length: variable
Maximum record length: 500,000 characters
Maximum number of records: 32,767 for each data base

The system's command language is: English, Swedish, Norwegian, German, French, Spanish, Others following

Batch operations.
Online operations; Number of terminals: up to 8.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text, Batch data entry.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Full-text search, User may define up to 255 stop-words (not to be searchable) and any number of synonyms. He may set prefixes before words, e.g. "C:GB" in which both "GB" and "C:GB" will be indexed and searchable.

Search functions: Display dictionary, Show results on screen, Print results, Revise query, Display documents.

Print generator: Editing a format, Word processing.

Documentation: Available in English, Swedish, Norwegian. Others following; Reference manual.

User can add application programs.
System is available in North America, Europe . Representatives are being signed on.

Warranty: 12 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: More than $100.000 *Object Code: Up to $5,000
Price range of hardware: $5,001 - $10,000

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Number of installations: 50
*Locations: Libraries, theatres, lawyers, manufacturing, companies, newspapers, laboratories, education centred, etc..

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I. GENERAL FEATURES

SYSTEM NAME: Serials in Australian Libraries - Social Sciences and Humanities

Acronym: SALSSAH

release date: 76

BACKGROUND and PRIMARY OBJECTIVES:
Written by contract programmers in 1975-76. SALSSAH provides a union list of serials held in Australian Libraries in Social Sciences and Humanities. The list is produced quarterly on microfiche.

GENERAL DESCRIPTION, MAIN FEATURES:
SALSSAH is a batch system which maintains files of bibliographic information and production of union catalogue. It also produces microfiche output

PRODUCER:
Name: National Library of Australia
Address: Parkes Place, Canberra, ACT 2600, AUSTRALIA
Telephone: 621111
Telex: 62100

For additional information contact:
Name: Kerry Webb
Title: Asst. Director, ADP
Firm/Institution: National Library of Australia
Address: Parkes Place, Canberra, ACT 2600, AUSTRALIA
Telephone: 621538
Telex: 62100

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 370/148 and FUJITSU M180IIAD.

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370/148.

Memory size: 1MB - 1MB
Disk drives: 317.5MB 1 unit - 317.5MB 1 unit
Tape drives: 4 - 4
Terminals: 1 - 1
Printers: 1 - 1

Other peripheral equipment: COM Bureau.

III. SOFTWARE - OPERATING SYSTEM

Name: OS/VS1
Record Management System (RMS): Index sequential

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 5 000 bytes

The system's command language is: Not applicable .

Batch operations.
Data entry and revision functions: Insert new text, Data validation, Change text, Delete text.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: No charge
Conditions (for source code): Non-profit organizations.
Price range of hardware: More than $100,000

Special terms for developing countries: None

Number of installations: 1
*Locations: National Library of Australia.

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I. GENERAL FEATURES

SYSTEM NAME: Scottish Library Network System

Acronym: SCOLCAP

Version: 01 Release date: June 82

BACKGROUND and PRIMARY OBJECTIVES:
SCOLCAP was formed in 1973. Between 1976 and 1979 a grant was provided by the British Library. For the past 3 years finance has been provided by the Scottish Education Department. The membership has grown from the original 6 to over 20 at present. The system is expected to grow to about 40 members over the next few years. Originally intended to be a shared online cataloguing system, SCOLCAP has added acquisitions and information retrieval. The primary objective of SCOLCAP is to provide modern, efficient, cost effective library housekeeping facilities to our members.

GENERAL DESCRIPTION, MAIN FEATURES:
The SCOLCAP system is a fully online system that offers members sophisticated online acquisition, cataloguing, information retrieval and management information. Data sharing is inherent and the system is MARC and AACR2 compatible. An authority control system ensures database integrity. The system is completely intergrated and data passes freely between applications and between users. A comprehensive character set including diacriticals, special characters and symbols is provided by intelligent terminals through which the system is accessed. A PSS gateway is provided to connect dedicated terminals to other databases

PRODUCER:
Name: SCOLCAP, National Library of Scotland
Address: Lawnmarket, Edinburgh, Scotland EH1 2PJ, UNITED KINGDOM
Telephone: 031-226-4531

For additional information contact:
Name: Bernard Gallivan
Title: Director
Firm/Institution: SCOLCAP, National Library of Scotland
Address: Lawnmarket, Edinburgh, Scotland EH1 2PJ, UNITED KINGDOM
Telephone: 031-226-4531

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Hewlett-Packard, HP 3000.

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Memory size: 1MB - 4MB
Disk drives: 120 or 400MB 1 Unit - 120 or 400MB 16 Units
Tape drives: 1 - 8
Terminals: 1 plus console - 96
Printers: 1 - 4 system printers

III. SOFTWARE - OPERATING SYSTEM
Name: MPE IV
Record Management System (RMS): DBMS
Name of DBMS: IMAGE
Utilities: Sort, QUERY, RPG.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: no logical limit
Maximum number of records: No logical limit
Maximum number of fields/record: No logical limit

The system's command language is: English, Modification to provide other languages easily achieved because of structure of system

Batch operations.
Online operations; Number of terminals: 90 +.

Type of system capability: multiple file, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Cancel latest revisions.

Features of query language: Boolean operators, Search-term truncation, Field-based search.

Search functions: Postings, Show results on screen, Print results.

Print generator: Sort, Decode, Statistics, Forms, Word processing.

Acquisition functions: Preliminary search, Document creation, Displaying the document, Multiple copies, Budget control, Address files for suppliers + delivery addresses. Dynamic control of foreign currency commitments. Standing Order Control. Cooperative Aquisitions.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies, Authority Control. Global editing of personal + corporate

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names. Automatic stepped searching of BLAISE files if record not found on SCOLCAP.

Circulation functions: Reserving an item, Interlibrary loan.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide, Training manual.

Special applications: Tailoring of system to each library via comprehensive profiles.

User can add application programs.
System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $50,001 - $100,000
Price range of hardware: More than $100,000

Special terms for developing countries: None

Number of installations: 1
*Locations: In-house.

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I. GENERAL FEATURES

SYSTEM NAME: Search Strategy

Acronym: SEARCH STRATEGY

release date: 82

BACKGROUND and PRIMARY OBJECTIVES:
This is a CAI program. Search strategy is an interactive self-teaching program for use on the Commodore PET microcomputer. It is intended for people with no experience in online searching.

GENERAL DESCRIPTION, MAIN FEATURES:
SEARCH STRATEGY is a self-teaching program where by the user is taught how to design searches for online bibliographic information retrieval systems using boolean logic. SEARCH STRATEGY illustrates basic consepts of online searching independent of languages used by different systems

PRODUCER:
Name: CIS, University of London, Senate House
Address: Malet Street, London WC1E 7HU, UNITED KINGDOM
Telephone: 01-636-4514 Ext. 937
Telex: 269400

For additional information contact:
Name: Mrs. A. Vickery
Title: Senior Information Systems Officer
Firm/Institution: CIS, University of London, Senate House
Address: Malet Street, London WC1E 7HU, UNITED KINGDOM
Telephone: 01-63604514 Ext. 937
Telex: 269400

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: SUPERBRAIN all models and the Commodore PET micro-computer.

The software package is implementable on a micro computer.
Configuration: Intertec Data Systems, SUPERBRAIN, All models.

Memory size: Max. 64K/RAM
Disk drives: Max. over 700K
Printers: N/A for this application

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M
Record Management System (RMS): Index sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Maximum record length: n/A
Maximum number of records: N/A
Maximum number of fields/record: N/A

The system's command language is: English

Features of query language: Boolean operators.

Documentation: User guide.

System is available without geographic limitations.
System update and/or maintenance is available.

VI. COST, INSTALLATION

Price range of software :

*Source code : up to $ 5,000 (35 pounds sterling plus postage)

Number of installations: 300

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I. GENERAL FEATURES

SYSTEM NAME: SEED Data Base management System

Acronym: SEED

Version: C00.5 Release date: Nov. 82

BACKGROUND and PRIMARY OBJECTIVES:
SEED is an advaned, comprehensive dictionary-driven data base management system that is easy and efficient to use. The SEED DBMS comprises number of elements that are designed to provide straight forward relational concepts and practical, efficient CODASYL methods.

GENERAL DESCRIPTION, MAIN FEATURES:
SEED KERNAL consists of CODASYL compliant Data Description and Data Manipulation Languages, plus utilities to measure performance. Data base performance is improved by providing a choice of methods for information storage and representing relationships among records. SEED KERNAL stores data efficiently. It is designed to minimize the menory requirements for storing and manipulating your data base, insuring cost-effiveness and easy access

PRODUCER:
Name: International Data Base Systems United Telecom Computer Group
Address: 2300 Walnut St., Philadelphia, PA 19103, U.S.A.
Telephone: 215-568-2424

For additional information contact:
Name: Brenda McPherson
Title: Marketing/Sales Administrator
Firm/Institution: International Data Base Systems United Telecom Computer Group
Address: 2300 Walnut St., Philadelphia, PA 19103, U.S.A.
Telephone: 215-568-2424

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: VAX 11 all models, PRIME 150-750, DEC 10 and 20, PDP-11, CDC 6X00 and CYBER, IBM 360, 370, 303X and 43XX, P-E 32XX and Gould S.E.L. 32/XX with MPX.

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., VAX 11, All models.

Other peripheral equipment: Termianls, Disk drives, Floppy disk.

III. SOFTWARE - OPERATING SYSTEM

Name: VMS
Record Management System (RMS): Index sequential, DBMS
Name of DBMS: SEED Data base management system
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

graphic
Record length: fixed & variable
Maximum record length: 32,767 Words
Maximum number of records: 2,140,000,000
Maximum number of fields/record: 32,767

The system's command language is: English

Batch operations.
Online operations; Number of terminals: Any number.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results.

Print generator: Sort, Editing a format.

Documentation: Utilities manual, User guide, Training manual.

User can add application programs.
System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

VI. COST, INSTALLATION

Number of installations: 93
*Locations: World-wide.

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I. GENERAL FEATURES

SYSTEM NAME: System for the Dispatch, Retrievan and Verification of Requested Information

Acronym: SERVIR

BACKGROUND and PRIMARY OBJECTIVES:
SERVIR was developed in 1977 and its primary objective is to give access to documents requested by the users through the SDI system-SONAR. Until1979 the system had the task of listing requests and informing, with the help of the Union Catalog stored in the computer, the library which had the title. After that period as an additional function it prints the notification letter to the pertinent library.

GENERAL DESCRIPTION, MAIN FEATURES:
SERVIR produces printed output along with the documents requested by the users, including descriptive letters which accompany an order and letters to libraries requesting clarification of journal titles

PRODUCER:
Name: Nuclear Information Center
Address: General Severiano, 90, Rio de Janeiro, RJ 22.294, BRAZIL
Telephone: (--5521)295-8640
Telex: 21280CNEN BR

For additional information contact:
Name: Altair Carvalho de Souza
Title: Director
Firm/Institution: Nuclear Information Center
Address: General Severiano, 90, Rio de Janeiro, RJ 22.294, BRAZIL
Telephone: (--5521)295-8640
Telex: 21280CNEN BR

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Honeywell Information Systems, DPS 6/64.

Memory size: 512KB - 4MB
Disk drives: 200MB 1 unit - 200MB 32 units
Tape drives: Max. 16
Terminals: Max. 128
Printers: Max. 4

Other peripheral equipment: Card reader.

III. SOFTWARE - OPERATING SYSTEM

Name: GCOS

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Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: fixed & variable
Maximum record length: 2048

Batch operations.
Type of system capability: single file search.

Print generator: Forms.

Catalog functions: Create, Print catalogs, Correct, Add.

Circulation functions: Interlibrary loan.

Documentation: Available in Portuguese; Systems manual, Reference manual, Operations manual.

User can add application programs.
System update and/or maintenance is available.

V. COST, INSTALLATION
Number of installations : 1
* Locations : In-house.

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I. GENERAL FEATURES

SYSTEM NAME: SHLOF

Acronym: SHLOF

Version: 2.0 Release date: Jan. 82

BACKGROUND and PRIMARY OBJECTIVES:
The system was developed in 1980 as a retrieval system for a library & SDI services. Later on, features were added to enable text processing and document follow-up. The primary objective of the system is to provide a machine efficient, intelligent retrieval system for very small to mid-range computers that enable online retrieval.

GENERAL DESCRIPTION, MAIN FEATURES:
SHLOF enables the user to define logical checking for each input field and structure of queries, as well as the information to be displayed from each retrieved item. The textual informtion is entered by means of a word processor in order to facilitate editing and update of texts. A thesaurus is constructed by defining relationships such as synonyms, BROADER and NARROWER TERMS and RELATED TERMS between tne keywords. The user may choose between free and controlled vocabulary for different data fields in the same form. At the rerieval stage the system allows for any combination of keywords plus all the NARROWER TERMS related to it, or previous query, within any one query. The keywords are connected by logical Boolean operators together with parentheses. The user may hereby publish a Journal of Abstracts comprising various indexes such as subject and author, together with suitable CROSS REFERENCES

PRODUCER:
Name: 2001 Computer & System Services
Address: Beth Hatefutsoth, Tel-Aviv University Campus,
Tel-Aviv 61392, ISRAEL
Telephone: 03-423050
Telex: 341390 RELAY JL ATT. BTF

VENDOR:
Name: 2001 Computer & System Services
Address: Beth Hatefutsoth, Tel-Aviv University Campus,
Tel-Aviv 61392, ISRAEL
Telephone: 03-423050
Telex: 341390 RELAY JL ATT. BTF

****

For additional information contact:
Name: Zvi Yakubovitz
Firm/Institution: 2001 Computer & System Services
Address: Beth Hatefutsoth, Tel-Aviv University Campus,
Tel-Aviv 61392, ISRAEL
Telephone: 03-423050
Telex: 341390 RELAY JL ATT. BTF

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer. Configuration: Digital Equipment Corp., PDP 11, VAX 11, All models.

Memory size: 64KB - Unlimited
Disk drives: 5KB 1 Unit - Unlimited
Terminals: 1 - System dependent
Printers: 1 - System dependent

III. SOFTWARE - OPERATING SYSTEM

Name: RSTS & RSX & VAX
Compilers:, Basic C, Fortran
Record Management System (RMS): Index sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: system dependent
Maximum number of records: 1/2 million
Maximum number of fields/record: Up to max. record size

The system's command language is: English &/or Hebrew or any other bilingual combination

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: System dependent.

Type of system capability: multiple file, simultaneous file search, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Thesaurus, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query.

Print generator: Indexing, Word processing.

Documentation: Systems manual, User guide.

Special applications: SDI; Publication of indexes, abstracts etc.; Status follow-up.

User can add application programs.
System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $50,001 - $100,000
Price range of hardware: More than $100,000

Number of installations: 12
*Locations: Szold Institute, Museum Bet-Hatfutsoth, Israel Defence Forces, Bank Leumi of Israel, Center for Strategic Studies.

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I. GENERAL FEATURES

SYSTEM NAME: Searching In Free Text

Acronym: SIFT

release date: Oct. 82

BACKGROUND and PRIMARY OBJECTIVES:
SIFT was developed from January 80 - July 82. The system is a general, machine independent information retrieval.

GENERAL DESCRIPTION, MAIN FEATURES:
Boolean query language; Browsing functions; Data base management functions; Full text inversion

PRODUCER:
Name: Government Institution of Organization and Management
Address: P.O.B. 8115, Dep., Oslo 1, NORWAY
Telephone: 0472-205026

For additional information contact:
Name: Johnsen Kjetil
Title: Consultant
Firm/Institution: Government Institution of Organization and Management
Address: P.O.B. 8115, Dep., Oslo 1, NORWAY
Telephone: 0472-205026

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: Norsk Data ND 10, ND 100, ND 500, and PDP VAX.

The software package is implementable on a mini computer.
Configuration: Norsk Data, ND 10, ND 100, ND 500.

Memory size: 128KB
Disk drives: 20MB

III. SOFTWARE - OPERATING SYSTEM

Name: Sintran
Compilers: Fortran, FORTRAN 77

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable

The system's command language is: May be defined by users

Thesaurus maintenance.
Online operations.

****

Type of system capability: multiple file, simultaneous file search.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search.

Search functions: Display dictionary, Show results on screen, Print results, Save query.

Preliminary Manual.

User can add application programs.
There is warranty.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Price range of hardware: $50,001 - $100,000

Number of installations: 1
*Locations: In-house.

I. GENERAL FEATURES

SYSTEM NAME: Information storage and retrieval system SIM-400 M

Acronym: SIM-400 M

BACKGROUND and PRIMARY OBJECTIVES:
Firmware of the most popular Polish minicomputer MERA-400 does not include any software tool facilitating creation and development of information systems. The SIM-400 M system fills this gap and additionally is used as one of the recommended software tools of Polish nation-wide information system SINTO at its lowest level.

GENERAL DESCRIPTION, MAIN FEATURES:
SIM-400 M is a simple, general-purpose information storage and retrieval system operating on the Polish minicomputer MERA-400. System functions include creation and modification of sequential files, their sorting and merging, full-text data retrieval according to Boolean query of arbitrary complexity, as well as generating indices and dictionaries. Due to the possibility of realization of complex arithmetic operations on numeric fields, the SIM-400 M system can also be used for budget control, staff registering and other administrative applications

PRODUCER:
Name: Institute for Scientific, Technical and Economic Information
Address: Ul. Zurawia 3/5, Warszawa 00-926, POLAND
Telephone: 218066
Telex: 813716 CINT PL

For additional information contact:
Name: Dr. Zbigniew Nowicki
Title: Head of Division
Firm/Institution: Institute for Scientific, Technical and Economic Information
Address: Ul. Zurawia 3/5, Warszawa 00-926, POLAND
Telephone: 218066
Telex: 813716 CINT PL

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Mera-Elwro, MERA 400.

Memory size: 32KW - N/A
Disk drives: 1 drive MERA 9425 5MB 1 unit - N/A
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: SOM-3

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 1.000 characters
Maximum number of records: N/A
Maximum number of fields/record: 50

The system's command language is: Polish, English

Batch operations.
Online operations; Number of terminals: up 3.

Type of system capability: single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Insert text from external files.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Field-based search, Full-text search.

Search functions: Show results on screen, Print results, Save query, Revise query.

Print generator: Statistics, Indexing, Editing a format.

Acquisition functions: Document creation, Displaying the document, Budget control.

Catalog functions: Create, Remove, Print catalogs, Correct, Add.

Documentation: Available in Polish; Operations manual, User guide.

System is available without geographic limitations.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: Up to $5,000
Price range of hardware: Up to $5,000

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Number of installations: 10
*Locations: Poland.

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I. GENERAL FEATURES

SYSTEM NAME: Sedna Information Management System (and System Generator)

Acronym: SIMS

Version: I Release date: Jan. 82

BACKGROUND and PRIMARY OBJECTIVES:
SIMS-I is the product of ten years of research and development. The intended goal was a system generator that requires no additional computer code to automate all applications normally found in libraries. The result however, was a system generator of far more universal applicability — accommodating a full range of commercial, academic, and government applications.

GENERAL DESCRIPTION, MAIN FEATURES:
SIMS-I is a system generator. The descriptor"generator"is appropriate in the sense that systems can be generated one application at a time. SIMS-I is not a program that writes programs. Whole systems can be designed, developed, and installed without the need for writing even one line of program code. SIMS-I is also the operating system for the applications and systems it produces. It is in complete control of the computer and all peripheral and remote devices, and operator intervention is rarely necessary except to back up files or operate the printer. Compilers and manufacturer-supplied operating systems are not needed. SIMS-I employs its own scheduler, i/o driver, interupt-service routines, and utilities. System development costs and elapsed time are reduced to 20% of the usual standard, and optimal operational efficiency is achieved

PRODUCER:
Name: Sedna Corporation
Address: 2380 Wycliff, St. Paul, MN 55114, U.S.A.
Telephone: 612-647-1101

For additional information contact:
Name: Richard Mann
Firm/Institution: Sedna Corporation
Address: 2380 Wycliff, St. Paul, MN 55114, U.S.A.
Telephone: 612-647-1101

II. HARDWARE REQUIREMENTS
The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, All models.

Memory size: 96KB - 4MB
Disk drives: 1.5MB 2 Units (One for back-up) - 300MB 8 Units (per controller)
Tape drives: Max. 8 (per controller)
Terminals: 1 - 240 (per CPU)
Printers: 1 - As many as needed

Other peripheral equipment: Any for which an electrical interface to the DEC Unibus exists.

III. SOFTWARE - OPERATING SYSTEM

Name: SIMS-I
Compilers:, None required
Record Management System (RMS): Index sequential, Relative direct access, DBMS
Name of DBMS: SIMS-I
Others: Whatever method optimizes user requirements
Utilities: Sort, All input/output routines for tape to tape, tape to disk, disk to tape, disk to operations. File check, file recovry programs. Disk compare and checking programs.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: fixed & variable
Maximum record length: No limit
Maximum number of records: No limit
Maximum number of fields/record: No limit

The system's command language is: English: any other language possible since the user defines the vocabulary.

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 240 with one CPU. Multiples of 240 with multiple CPU's in parallel processing mode.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text, Add text, file reorganization.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Postings, Show results

on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Decode, KWIC-KWOC, Statistics, Indexing, Forms, Editing a format, Word processing.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document, Multiple copies, Budget control, Book fund accounting, invoice processing, audit trail, serials management.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies, Authority maintenance; keyword index maintenance.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation Statistics, Circulation field codes, Reserving an item, Interlibrary loan, Multiple copies.

Documentation: Available in English; Utilities manual, Operations manual, User guide, Application development manual.

Special applications: The SIMS-I software can support a broad range of applications including, but not limited to, the following: financial management and accounting; inventory control; longitudinal data base management; medical records; time management and billing; human service management; external data base linkages; archival operations; and data banking.

User can add application programs.
System is available without geographic limitations.
Warranty: Warranty is included in maintenance.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: More than $100,000
Conditions (for object code): annual maintenance fee.
Price range of hardware: $10,001 - $50,000

Special terms for developing countries: No charge for basic software. All applications available under lease or purchase arrangements

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Number of installations: 3
*Locations: Diehl Bio-Medical Library, University of Minnesota, Minneapolis MN 55455. CIA Support Systems, Washington, DC 205050. Sedna Corporation, St. Paul, MN 55114.

I. GENERAL FEATURES

SYSTEM NAME: Information Retrieval System SINFO 1300

Acronym: SINFO 1300

Version: 2 Release date: Dec. 77

BACKGROUND and PRIMARY OBJECTIVES:
System is intended for use in small information centers which have a computer instalation ODRA 1300 (compatible with anICL 1900) without disc storage. The primary objectives of the system are: - preserving on MT descriptions of bibliographic entities created in the center applying the system, - SDI (and retrospective search on the cumulated data base), - aid in process of collecting and building indexes, key-word vocabularies and thesauruses. In the latest version programming package can (optionally) use work files on magnetic disc.

GENERAL DESCRIPTION, MAIN FEATURES:
The data entry subsystem (adding new records, modifying or deleting existing ones) requires fixed entry format (card image). Master file (MF) is sequentially organized on MT. The records of the MF are built up with fields of variable or fixed length. Contents of determined fields (descriptor field, author's name field, place of the conference, title of journal and so on) are selected for the inverted file (IF) organized sequentially on MT. Access points on IF are arranged by number of postings linked to them. Searching of IF (queries with boolean operators AND,OR) and/or MF for exhaustive search on the title field basis. Print formats fixed. IF can be modified to build (or re-build and delete) so called"synonymic"groups, ie: one can query on synonyms of access points selected from MF (under condition that these synonyms have already been introduced into the IF. Indexes of authors, descriptors, titles of journals etc. are available

PRODUCER:
Name: Institute for Scientific, Technical and Economic Information
Address: Ul. Zurawia 3/5, Warszawa 00-926, POLAND
Telephone: 218066
Telex: 813716 CINT PL

For additional information contact:
Name: Rolecki Janusz
Firm/Institution: Institute for Scientific, Technical and Economic Information
Address: Ul. Zurawia 3/5, Warszawa 00-926, POLAND
Telephone: 218066

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: ORDA 1300, ORDA 1304, ORDA 1305 ORDA 1325, and ICL 1900 series.

The software package is implementable on a mainframe computer. Configuration: Mera-Elwro, ODRA 1300, ODRA 1304, ODRA 1305, ODRA 1325.

Memory size: 32KW(24 bits per word)- 64K
Disk drives: Max. 8MB 2 units
Tape drives: 4 - 6
Terminals: N/A
Printers: 1

Other peripheral equipment: Card reader.

III. SOFTWARE - OPERATING SYSTEM

Name: GEORGE 2, GEORGE 3, EXECUTOR (ICL 1900 monitor)

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 1.800 characters
Maximum number of records: 1.000.000
Maximum number of fields/record: 12

The system's command language is: Polish, no other languages available.

Batch operations.
Type of system capability: single file search.

Data entry and revision functions: Insert new text, Change text, Delete text.

Features of query language: Boolean operators.

Search functions: Print results.

Print generator: Indexing, Forms.

Documentation: Systems manual, Reference manual, Operations manual.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000 *Object Code: Up to $5,000

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Number of installations: 10

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I. GENERAL FEATURES

SYSTEM NAME: Schools Information Retrieval

Acronym: SIR

Version: N/A Release date: N/A

BACKGROUND and PRIMARY OBJECTIVES:
The SIR software was written to introduce secondary school students to the basic principles of information retrieval using computers. SIR reproduces, in a simplified form, the main functions of present day on-line retreval systems.

GENERAL DESCRIPTION, MAIN FEATURES:
SIR is a bibliographic information retrieval system consisting of a search program and a database creation program. The search uses a small command language (ten commands in all), Boolean logic (AND, OR, NOT) with a right hand truncation facility. Searching is via an inverted file. Records held in the system may be of variable length, each consists of five fields three of which are searchable. The overall record length may not exceed 472 characters

PRODUCER:
Name: British Library, Research and Development Department
Address: 2 Sheraton Street, London W1V 4BH, UNITED KINGDOM
Telephone: 01-636-1544
Telex: 21462

II. HARDWARE REQUIREMENTS

The software package is implementable on a micro computer.
Configuration: Research Machines Ltd., 380Z.

Memory size: 32KB - 56KB
Disk drives: Dual double sided floppy disks
Printers: Desirable

Other peripheral equipment: N/A.

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M
Compilers:, C basic

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 472 characters
Maximum number of records: limited by storage available
Maximum number of fields/record: 5

The system's command language is: English, no other languages available.

Online operations; Number of terminals: 1.

Type of system capability: single file search.

Data entry and revision functions: Insert new text, Change text, Delete text.

Features of query language: Boolean operators, Search-term truncation, Field-based search.

Search functions: Postings, Show results on screen, Print results, Save query.

Documentation: Available in English; Systems manual, Operations manual.

Special applications: N/A.

System is available in, UK only at present.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: Up to $5,000
Price range of hardware: Up to $5,000

Special terms for developing countries: N/A

I. GENERAL FEATURES

SYSTEM NAME: Scientific Information Retrieval/Database Management System

Acronym: SIR/DBMS

Version: 2.1.1 Release date: 82

BACKGROUND and PRIMARY OBJECTIVES:
SIR is an intergrated data base management system capable of handling hierarchical, networking and relational data structures with multiple read types and of interfacing with popular statistical packages such as BMDP, SAS and SPSS. Produces camera ready tables and has complete report generator.

GENERAL DESCRIPTION, MAIN FEATURES:
SIR is a hierarchical DBMS. Its main features are : Data definition, Data entry, Data validation, Data retrieval, Data base backup and recovery, Data base utilities, Data security, Concurrent access. Also Query language, Statistical procedures, Report writer, Editor, Data base procedures. The primary applications of SIR are scientific and include data analysis. Software is fully portable across all machine types

PRODUCER:
Name: Scientific Information Retrieval, Inc. (SIR)
Address: P.O.B. 1404, Evanston, IL 60204, U.S.A.
Telephone: 312-475-2314

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: CDC Cyber series, DEC VAX, Honeywell, IBM and plug compatibles, ICL, Perkin-Elmer, Prime, Siemense, Univac 1100 series and 90 series.

The software package is implementable on a mainframe computer. Configuration: Control Data Corp., CDC, CYBER, All models.

III. SOFTWARE - OPERATING SYSTEM

Name: NOS and NOS/BE
Record Management System (RMS): Index sequential, Relative direct access

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IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: fixed
Maximum record length: none
Maximum number of records: none
Maximum number of fields/record: 4096

The system's command language is: SIR command language, no other languages available.

Batch operations.
Online operations; Number of terminals: System dependent.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Field-based search, Nesting of instructions.

Search functions: Show results on screen, Print results, Save query, Revise query, Return query.

Documentation: Available in English; Reference manual.

There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $10,001 - $50,000
Conditions, (for object code): Government and Academic discounts available; multi-copy discount available.
Special terms for developing countries: Consult software vendor

Number of installations: 250+
*Locations: Brookhaven National Laboratories, Upton, NY 11973, USA; Sloan-Kettering Memorial Institute, New York, NY 10021, USA; Southern Illinois University, Springfield, IL 62702, USA.

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I. GENERAL FEATURES

SYSTEM NAME: General Software Information System

Acronym: SOFTINF

GENERAL DESCRIPTION, MAIN FEATURES:
Documentation of Software with accessibility to source-code, comment test data, maintenance information and software classification (bibliographical) for each individual module which may consist of programs(different programming languages may have been used), subroutines, functions, job control decks, data files or any other designated unit of software

PRODUCER:
Name: Horst Kremers, Dept. of Geodetic Science
Address: Keplerstr. 11, D-7000 Stuttgart 1, FEDERAL REPUBLIC OF GERMANY
Telephone: 0711-2073755
Telex: 07-21703 d

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: Control Data Corp., CYBER 178.

Disk drives: 1
Tape drives: 1
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: NOS/BE
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum number of fields/record: N/A

The system's command language is: English, Modules can be renamed to ease use in different languages

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: 1.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Cancel latest revisions, Insert text from external files, Move text, Copy text.

****

Features of query language: Numerical search, Thesaurus, Field-based search.

Search functions: Show results on screen, Print results.

Print generator: Sort, Indexing.

Catalog functions: Create, Print catalogs, Add.

Documentation: Available in English; Systems manual, Utilities manual, Operations manual, User guide.

Special applications: Creation and maintanance of a software retrieval archieve and retrieval system.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: $5,001 - $10,000
Number of installations: 1
*Locations: Stuttgart, FRG.

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I. GENERAL FEATURES

SYSTEM NAME: System Oriented for the Automatic Notification of References

Acronym: SONAR

release date: 76

BACKGROUND and PRIMARY OBJECTIVES:
SONAR began to be developed in 1971. Originally it did not contain abstracts and searching terms consisted of Atomindex classification areas codes. From 1974 on the searching has been based both on areas and key words; in 1977 the abstracts were included in the output. The primary objective of the system is to provide the scientists, researchers, teachers, etc. with updated nuclear information within their field of interest..

GENERAL DESCRIPTION, MAIN FEATURES:
SONAR prints bibliographic references from INIS tape for each SDI user according to his profile, each fifteen days. The profile contains subject fields and keywords with their respective weights. SONAR also produces output prints with statistical and control informations

PRODUCER:
Name: Nuclear Information Center
Address: General Severiano, 90, Rio de Janeiro, RJ 22.294,
BRAZIL
Telephone: (5521)295-8640
Telex: 21280CNEN BR

For additional information contact:
Name: Altair Carvalho de Souza
Title: Director
Firm/Institution: Nuclear Information Center
Address: General Severiano, 90, Rio de Janeiro, RJ 22.294,
BRAZIL
Telephone: (5521)295-8640
Telex: 21280CNEN BR

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Honeywell Information Systems, DPS 6/64.

Memory size: 512KB - 4MB
Disk drives: 200MB 1 unit - 200MB 32 units
Tape drives: Max. 16
Terminals: Max. 128
Printers: Max. 4

Other peripheral equipment: Diskette unit - Card reader.

III. SOFTWARE - OPERATING SYSTEM

Name: GCOS

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Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: fixed
Maximum record length: 2048

Thesaurus maintenance.
Batch operations.
Type of system capability: single file search.

Data entry and revision functions: Data validation.

Print generator: Forms, Editing a format.

Documentation: Available in Portuguese; Systems manual, Reference manual, Operations manual.

User can add application programs.
System update and/or maintenance is available.

V. COST, INSTALLATION

Number of installations . 1
* Locations : CIN

I. GENERAL FEATURES

SYSTEM NAME: Search Program for Infrared Spectra

Acronym: SPIR

Version: 1 Release date: Jan. 77

BACKGROUND and PRIMARY OBJECTIVES:
SPIR is a search-software package developed in the early 1970's to access the American Society for Testing of Materials (ASTM) infrared spectral data base. Comparisons between an an unknown's infrared spectrum (suitably encoded) and the ASTM data base are made and the closest matches output. This system is primarily of interest to analytical chemists employing infrared spectroscopy as an identification technique.

GENERAL DESCRIPTION, MAIN FEATURES:
The SPIR system accepts user data on absorption peaks, band intensities, and chemical properties of an unknown; massages the data into a binary mask; does rapid AND and OR comparisons of the mask against the encoded ASTM data bases; calculates the closeness of a match; and outputs the serial numbers of the 10 closest matches. The serial numbers are keys to ASTM hard copy publications

PRODUCER:
Name: DNA System Inc.
Address: 1258 South Washington, P.O.B. 1424, Saginaw, MI 48605, U.S.A.

For additional information contact:
Name: Dr. Gordon H. Wood
Title: Manager, Scientific Numeric Data bases
Firm/Institution: Canada Institute for Scientific and Technical Information
Address: Montreal Road, Ottawa, Ontario K1A OS2, CANADA
Telephone: 613-993-3294
Telex: 053-3115

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 3033.

Memory size: 100KB
Disk drives: 200MB (1 unit)
Terminals: 1
Printers: 1

Other peripheral equipment: N/A.

III. SOFTWARE - OPERATING SYSTEM

Name: Time Sharing System. TSS
Compilers: Assembler, Fortran, SNOBOL4
Record Management System (RMS): Index sequential

IV. SOFTWARE APPLICATION SYSTEM
numeric
Record length: fixed
Maximum record length: 256 bytes
Maximum number of records: N/A
Maximum number of fields/record: N/A

The system's command language is: English, no other languages available.

Online operations; Number of terminals: 60.

Type of system capability: single file search, networks and communication.

Features of query language: Numerical search.

Search functions: Show results on screen, Print results.

Documentation: Available in English, French; Systems manual, User guide.

System is available in, Canada.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software: N/A

Special terms for developing countries: None

Number of installations: 1
*Locations: Computation Centre, National Research Council of Canada, Montreal Road, Ottawa, Ontario, CANADA.

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I. GENERAL FEATURES

SYSTEM NAME: SPLEEN3

Acronym: SPLEEN3

BACKGROUND and PRIMARY OBJECTIVES:
SPLEEN3 was planned and implemented in 1977 in order to introduce people to online data base consultation techniques and to promote the bibliographic data bases produced by the Centre de Documentation Sciences Humaines.

GENERAL DESCRIPTION, MAIN FEATURES:
SPLEEN3 is a package for management and conversational consultation of data bases

PRODUCER:
Name: Centre de Documentation Sciences Humaines
Address: 54 Boulevard Raspail, Paris 75006, FRANCE
Telephone: 544-3849

VENDOR:
Name: Centre National de la Recherche Scientifique
Address: 15 Quai Anatole France, Paris, 75007 FR

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370/168.

III. SOFTWARE - OPERATING SYSTEM

Name: MVS/TSO
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable

The system's command language is: French

Batch operations.
Online operations.

Type of system capability: single file search, networks and communication.

Features of query language: Boolean operators, Search-term truncation, Field-based search, Nesting of instructions.

Search functions: Show results on screen, Print results.

Acquisition functions: Displaying the document.

Documentation: Available in English, French; Utilities manual, User guide.

User can add application programs.
There is warranty.

System update and/or maintenance is available.

V. COST, INSTALLATION

Number of installations: 1
*Locations: CIRCE, Campus Universitaire, Bâtiment 506, 91405 - Orsay, France.

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I. GENERAL FEATURES
SYSTEM NAME: SSDC

Acronym: SSDC (*)

Version: 1 Release date: 81

BACKGROUND and PRIMARY OBJECTIVES:
Teaching aid of use in training library schoool students, librarians and information workers in the basic techniques of using SDC. Also useful as a first introduction to practical online bibliographic information retrieval in general.

GENERAL DESCRIPTION, MAIN FEATURES:
Teaching aid providing instruction in searching SDC ORBIT. The simulation consists of six parts; logging in, a simple search, three more difficult searches showing various system features such as saved searches, ranging, update codes, category codes, search by document type neighbor and subheadings and a logging out module

PRODUCER:
Name: Department of Information Studies, University of Sheffield
Address:, Sheffield S10 2TN, UNITED KINGDOM
Telephone: 0742-78555
Telex: 54348

For additional information contact:
Name: Miss F.E. Wood
Title: Lecturer
Firm/Institution: Department of Information Studies, University of Sheffield
Address:, Sheffield S10 2TN, UNITED KINGDOM
Telephone: 0742-78555
Telex: 54348

II. HARDWARE REQUIREMENTS
COMPUTERS: The system operates on: PRIME 400. Capable of implementation on a wide variety of computers including mini, micro and mainframe. Negligible OS dependency.

The software package is implementable on a mini computer.
Configuration: Prime Computer, PRIME 400.

III. SOFTWARE - OPERATING SYSTEM
Name: PRIMOS

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed

The system's command language is: English, no other languages available.

Online operations; Number of terminals: As many as the computer can handle.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, This is a simulation of ORBIT which has the features indicated above and many others. The simulation demonstrates these features.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, This is a simulation of a system with the features indicated above and many others. The simulation demonstrates these features.

Documentation: Available in English, Program documentation.

System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000
Conditions (for source code): Less than $200.
Number of installations: 4
*Locations: Department of library and Information Studies, West Australia Institute of Technology, Hayman Road, South Bentley, WA 6102, Australia; School of Library and Information Science, Riverina C.A.E., P.O.B. 588, Wagga Wagga, Australia; Department of Library and Information Studies, Manchester Polytechnic, Ormond Building, Lower Ormond Street, All Saints, Manchester, M15 6BX, England.

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I. GENERAL FEATURES

SYSTEM NAME: System To Automate Records

Acronym: STAR

Version: 1.0 Release date: Dec. 82

BACKGROUND and PRIMARY OBJECTIVES:
Development of STAR commenced in 1979 when Cuadra Associates saw the need for an in-house, online information storage and retrieval system on a small computer that would serve as an alternative to service bureaus for storage and retrieval of private files of information. The Alpha Microsystems' small business computer was selected because it was fast, multi-user, multi-tasking, and relatively inexpensive. The system was developed not only to allow users in libraries and information centers to maintain such diverse files of textual information as library catalogs and mailing lists, but also to support data entry for publication purposes. The first version of STAR was available for purchase in the fall of 1982.

GENERAL DESCRIPTION, MAIN FEATURES:
STAR is an online data entry and retrieval system that operates on ALPHA Microsystems microcomputers. STAR is a stand alone system for generating, maintaining and searching in-house private files of library holdings, legal materials, technical reports, mailing lists, and other types of textual records. It can also be used by publishers to support the production and management of small to medium-sized data bases that are to be distributed through one or more online services

PRODUCER:
Name: Cuadra Associates, Inc
Address: 2001 Wilshire Blvd., Suite 305, Santa Monica, CA 90403, U.S.A.
Telephone: 213-829-9972
Telex: 652421 CUADRA SNM

For additional information contact:
Name: David M. Abels
Title: Marketing Representative
Firm/Institution: Cuadra Associates, Inc
Address: 2001 Wilshire Blvd., Suite 305, Santa Monica, CA 90403, U.S.A.
Telephone: 213-829-9972
Telex: 652421 CUADRA SNM

II. HARDWARE REQUIREMENTS

The software package is implementable on a micro computer.
Configuration: Alpha Micro, AM 100/T.

Memory size: 128KBB - 1024K
Disk drives: 8.5MB each 1 unit - 60MB each 12 units
Tape drives: Max. 1
Terminals: 1 - 24
Printers: 1 - 24

Other peripheral equipment: Videocassette recorder for videocassette tape backup; 1200 baud modem for remote communications.

III. SOFTWARE - OPERATING SYSTEM

Name: AMOS
Compilers:, None required for STAR. AMOS supports ASSEMBLER, BASIC, FORTRAN, LISP, PASCAL, C, APL
Record Management System (RMS): Index sequential, Relative direct access
Utilities: Sort, 150 standard routines and utilities.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: unlimited
Maximum number of records: Unlimited
Maximum number of fields/record: 500 that can occurr multiple terms

The system's command language is: English, no other languages available.

Online operations; Number of terminals: 24 technically possible; 6-8 recommended.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Cancel latest revisions.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Full-text search, Nesting of instructions.

Search functions: Postings, Show results on screen, Print results, Revise query.

Print generator: Sort, Editing a format.

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Documentation: Available in English; Reference manual, Administrators maual.

User can add application programs.
System is available in North America, all areas where ALPHA Micro authorized service is available.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Conditions, (for object code): License agreement.
Price range of hardware: $10,001 - $50,000

Number of installations: 3
*Locations: Technical Information Center, Stepan Chemical Company, Northfield, IL.

I. GENERAL FEATURES

SYSTEM NAME: STATUS Information Storage and Retrival System

Acronym: STATUS

Version: 80 Release date: June 80

BACKGROUND and PRIMARY OBJECTIVES:
STATUS has been devloped at Harwell Laboratory since 1975 as a commercial package. The main objectives were to provide an interactive online system, which was capable of running on a wide range of different computers with comprehensive facilities, but easy to use by the occasional user or clerical staff.

GENERAL DESCRIPTION, MAIN FEATURES:
STATUS is a free text information retrieval package offering comprehensive search, retrieval and modification facilities. It is capable of handling a wide range of different types of textual and numeric information. Principal areas of use are library legal, police, research and development, patents, and commercial information

PRODUCER:
Name: AERE Harwell
Address:, Didcot, Oxfordshire OX11 ORA, UNITED KINGDOM
Telephone: 0235-24141
Telex: 83135 G

For additional information contact:
Name: D.I. Matkin
Title: Commercial Manager
Firm/Institution: AERE Harwell
Address:, Didcot, Oxfordshire OX11 ORA, UNITED KINGDOM
Telephone: 0235-24141
Telex: 83135 G

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 370, IBM 3033 and on the following computers: 1) VAX 11/730 11/750 11/780, Digital Equipment Corporation. Operating system - VMS. 2) ICL 1900, 2900 ranges, International Computing Ltd. Operating System -DME, VME. 3) Honeywell Level 6 and Level 66, Honeywell Information Systems. Operating system GCOS. 4) PRIME 300 upwards, Prime Computer. Operating system - PRIMOS. 5) ECLIPSE MV, Data General. Operating system - AOS/VS. 6) GEC 4000 series, Geac Ltd. Operating system - OS 4000. 7) PE 3200 series, Perkin Elmer Inc. Operating system - OS/32. 8) HP 3000 series. Hewlett-Packard. Operating system - MPE4. 9) WANG, Wang Computer. Operating system - OS. 10) CDC 7600. Control Data Corp. Operating system - OS. 11) BURROUGHS 6700, Burroughs Corp. Operating system - OS..

The software package is implementable on a mainframe computer. Configuration: IBM, IBM 370, IBM 3033.

III. SOFTWARE - OPERATING SYSTEM

Name: MVS running TSO or CICS/VS
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: essentially no limit
Maximum number of records: essentially no limit
Maximum number of fields/record: essentially no limit

The system's command language is: English, Commands and messages can be translated to any language

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: System dependent.
Multiple readers/writers.

Type of system capability: single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Print generator: Sort, Indexing, Word processing.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Circulation statistics, Circulation field codes, Reserving an item, Multiple copies.

Documentation: Available in English; Utilities manual, Operations manual, User guide.

User can add application programs.
System is available in Africa, North America, Asia, Europe, Oceania.

Warranty: 12 months from installation.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $50,001 - $100,000
Conditions (for object code): Licence to use on a single computer.
Price range of hardware: More than $100,000

Special terms for developing countries: Special discounts can be negotiated for organisations situated in developing countries

Number of installations: 80
*Locations: Bureau of Statistics and Department of Trade & Resources (Australia); Department of Energy, U.K.; European Law Centre Ltd. (Eurolex); Kluwer NV (Netherlands).

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I. GENERAL FEATURES

SYSTEM NAME: STRIX

Acronym: STRIX (*)

Version: 1 Release date: Mar. 82

BACKGROUND and PRIMARY OBJECTIVES:
To provide a data base creation, management, and retrieval capability for bibliographic and textual data bases on a microcomputer.

GENERAL DESCRIPTION, MAIN FEATURES:
Definition of textual data base structures; Data entry; Field and record amendment and deletion; Free text retrieval from selected fields; Applications are in bibliographic and text storage and retrieval (libraries, documentation centers etc.)

PRODUCER:
Name: Delta Design & Graphics Ltd
Address: The Old Stud Farm House, Ossington Lane,
Sutton-on-Trent, Newaric, Notts, UNITED KINGDOM
Telephone: 0636-821722

For additional information contact:
Name: Dr. A.K. Kent
Title: Senior Consultant
Firm/Institution: Delta Design and Graphic Ltd
Address: The Old Stud Farm House, Ossington Lane,
Sutton-on-Trent, Newaric, Notts, UNITED KINGDOM
Telephone: 0636-821722

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: South West Technical Products Corp. SO/9 and on a PDP 11, VAX 11/750 mini computer.

The software package is implementable on a micro computer.
Configuration: South West Technical Products Corp., SO/9.

Memory size: 128KB - 1MB
Disk drives: 8 Dual drive floppy disk 2.4MB - 240MB hard disk
Terminals: 1 V.D.U. - 12 V.D.Us
Printers: Max. 2

Other peripheral equipment: Modems, tape drive, printers (all optional).

III. SOFTWARE - OPERATING SYSTEM

Name: UNIFLEX
Record Management System (RMS): Index sequential
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 32,767 characters
Maximum number of records: 32,767
Maximum number of fields/record: 150

The system's command language is: English, Languages with Latin alphabet

Online operations; Number of terminals: 12.

Type of system capability: multiple file, simultaneous file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Cancel latest revisions.

Features of query language: Boolean operators, Search-term truncation, Field-based search, Full-text search, Nesting of instructions.

Search functions: Display dictionary, Postings, Show results on screen, Print results.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide.

System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: Up to $5,000
Price range of hardware: $10,001 - $50,000

Special terms for developing countries: None

Number of installations: 2
*Locations: Delta Design and Graphics Ltd. The Old Stud Farm House, Ossington Lane, Sutton-on-Trent, Newark, Notts, U.K.; Omnitronics International Route 130 Cranbury N.J. U.S.A..

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I. GENERAL FEATURES

SYSTEM NAME: System for Users of Retrospective Searches in Reference Information

Acronym: SUPRIR

BACKGROUND and PRIMARY OBJECTIVES:
The first version of the Retrospective Search (1975) was developed to be conducted off-line on an IBM/3 but in 1976 a new online system was developed, processed on an IBM 370/165, located 15 kilometers from CIN, which was used via four terminals. In 1980, CIN acquired a new computer, a CII-Honeywell Bull level 64 DPS-6, and SUPRIR could be processed online at CIN.Until 1981 the interaction system/user was only in Portuguese but since that time it has been possible to interact in English and Spanish. Up to now this software is being used with the INIS and INSPEC data bases, but in the future other data bases will be implemented.

GENERAL DESCRIPTION, MAIN FEATURES:
Main Functions: Search, Browse, Rank. Features: Data Compression, Qualified words. Auxiliary Functions: Help, Copy

PRODUCER:
Name: Nuclear Information Center
Address: General Severiano 90, Rio de Janeiro, RJ 22.294, BRAZIL
Telephone: 5521-295-8640
Telex: 21280CNEN BR

For additional information contact:
Name: Altair Carvalho de Souza
Title: Director
Firm/Institution: Nuclear Information Center
Address: General Severiano 90, Rio de Janeiro, RJ 22.294, BRAZIL
Telephone: 5521-295-8640
Telex: 21280CNEN BR

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Honeywell Information Systems, DPS 6/64.

Memory size: 250KB
Disk drives: Depends on the data base size
Tape drives: 2 - 4
Terminals: 1 - 32
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: GCOS
Record Management System (RMS): Index sequential, Relative

****

direct access
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed & variable
Maximum record length: 3156 bytes
Maximum number of records: Depends on the D.B.
Maximum number of fields/record: Depends on the D.B.

The system's command language is: Portuguese, English, Spanish

Thesaurus maintenance.
Online operations; Number of terminals: 32 terminals.

Type of system capability: simultaneous file search, networks and communication.

Data entry and revision functions: Find text, Full screen edit, Copy text.

Features of query language: Boolean operators, Thesaurus, Full-text search, Alternative query languages.

Search functions: Postings, Show results on screen, Print results, Revise query, Return query.

Print generator: Editing a format.

Acquisition functions: Document creation, Displaying the document.

Documentation: Available in Portuguese; Systems manual, Utilities manual, Operations manual, User guide.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

VI. COST, INSTALLATION

Number of installations: 1
*Locations: In-house.

I. GENERAL FEATURES

SYSTEM NAME: System 1022

Acronym: SYSTEM 1022 (*)

Version: 115 Release date: July 82

BACKGROUND and PRIMARY OBJECTIVES:
System 1022 was developed in the early 1970's, and first marketed in 1973. It is designed to be a very efficient, relational data base management system for the DEC system-10 and DECSYSTEM-20. One of the system's most attractive features is its user-friendliness, which makes it an excellent tool for unsophisticated users. 1022 also features an interface to COBOL and FORTRAN as well as its own programming language and custom report writer; in short, it has something for everyone. System 1022 is currently in use at over 225 in-house sites.

GENERAL DESCRIPTION, MAIN FEATURES:
System 1022 is a relational data base management system featuring a multiple inverted file structure, which allows users to designate inversion on any number of key fields. Its English-like query language provides easy access to stored information. System 1022 is available as a self-contained system with the query language and ad hoc reporting facilities, as well as with a host language interface (COBOL, FORTRAN, MACRO), data base security access accounting, and audit trail journaling. It is suited to many types of applications

PRODUCER:
Name: Software House
Address: 1105 Massachusetts Ave., Cambridge, MA 02138, U.S.A.
Telephone: 617-661-9440
Telex: 710-320-1075

For additional information contact:
Name: J. Gregory Wood
Title: Sales Manager
Firm/Institution: Software House
Address: 1105 Massachusetts Ave., Cambridge, MA 02138, U.S.A.
Telephone: 617-661-9440
Telex: 710-320-1075

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: DEC 10, DEC 20 and on a full range of Digital Equipment Corp. computers.

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The software package is implementable on a mainframe computer.
Configuration: Digital Equipment Corp., DEC 10, DEC 20.

Memory size: 15KB
Disk drives: 1 unit
Tape drives: 1
Terminals: 1
Printers: 1

Other peripheral equipment: None required.

III. SOFTWARE - OPERATING SYSTEM
Name: TOPS-10 or TOPS-20
Compilers:, MACRO
Others: Proprietary data base
Utilities: Sort, Load, dump, transact, append.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Record length: fixed
Maximum record length: 65,000 characters
Maximum number of records: 256K/file
Maximum number of fields/record: No design limit

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: Limited by hardware.

Type of system capability: multiple file, simultaneous file search, single file search.

Features of query language: Boolean operators, Numerical search, Field-based search, Nesting of instructions.

Search functions: Show results on screen, Print results, Save query.

Print generator: Sort.

Documentation: Available in English; Reference manual, User guide, Host Language Interface Manual, Primer, System 1022 Reference Card.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $10,001 - $50,000
Special terms for developing countries: None

Number of installations: 225
*Locations: In-house; Hughes Aircraft Company, USA; Harvard Business School, USA; Montreal Engineering Company Ltd., Canada; U.S. Department of Transportation, USA.

I. GENERAL FEATURES

SYSTEM NAME: T.A.M.I.L.

Acronym: T.A.M.I.L.

Version: 1 Release date: Nov. 82

BACKGROUND and PRIMARY OBJECTIVES:
The T.A.M.I.L. system has been designed for Documentation Centres and Libraries having to process from 5000 to 500,000 documents. It includes a micro computer and a software easily run by documentalists and Librarians with no Computer knowledge.

GENERAL DESCRIPTION, MAIN FEATURES:
The main features of the software are: Online input adapted to any kind of document, with instantaneous detection of logical errors; Editing of set of indexes, on all or part of the data bases, to allow batch retrieval; Online interactive retrieval facilities, with a dialog very close to the natural language (2 different languages and 2 lengths of messages); Online lending, with automatic editing of overdue notices and the lending activity of the library

PRODUCER:
Name: Tamil
Address: 91 Bd. Edmond Rostand, 92500 Rueil Malmaison, FRANCE
Telephone: (1)732-35-34
Telex: 270105F TXFRA/ref 345

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: ONYX C-8002 and under SMC Business Basic including: Alcyon, Altos, Basic Four, CCI, CIE, Codata Systems, Computhink, Dual, Dynabyte, Fortune, Ithaca, Mercator, Microfive, NCR, Onyx, Pixel, Plexug, Rexon, Seiko, Shasta, Thomson CSF, Wicat, Zilog.

The software package is implementable on a micro computer.
Configuration: Onyx, ONYX C-8002.

Memory size: 256 - 1000
Disk drives: 5MB unit - 40MB units
Tape drives: 1
Terminals: 1 - 8
Printers: 1 - 2

III. SOFTWARE - OPERATING SYSTEM

Name: ONYX (equivalent of UNIX from BELL Lab)
Compilers: Basic, BB2 from SMC (USA)
Record Management System (RMS): Index sequential

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 800 car.
Maximum number of records: 500,000
Maximum number of fields/record: 600

The system's command language is: French, English. One table (French English) may be translated in any other language.

Batch operations.
Online operations; Number of terminals: 1 to 8.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Full-text search, Nesting of instructions, Alternative query languages, Synonyms, Limit the acces to the documents.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Restrict a search toa a segment of a base.

Print generator: Sort, Decode, Indexing, Forms, Editing a format, KWOC.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add.

Circulation functions: Borrower master file, Control of overdue items, Circulation statistics, Circulation field codes, Multiple copies.

Documentation: Available in French, English; Utilities manual, User guide.

System is available without geographic limitations.

Warranty: 6 months.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $10,001 - $50,000
Price range of hardware: $10,001 - $50,000

Number of installations: 1
*Locations: Georex, Moulin Sarrazin, Place Honoré de Balzac,
95100 Argenteuil, France.

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I. GENERAL FEATURES

SYSTEM NAME: Cobol Test Coverage Analysis Tool

Acronym: TCAT

Version: 8 Release date: Dec. 81

BACKGROUND and PRIMARY OBJECTIVES:
TCAT provides basic support of software quality assurance through systematic testing by measuring the C1 and P1 coverage values for series of tests. (C1 is the percentage of logical segments exercised and P1 is the percentage of paragraphs exercised).

GENERAL DESCRIPTION, MAIN FEATURES:
TCAT is a free-standing pre-processor/post processor system for batch oriented analysis of testing effectiveness of Cobol programs. TCAT consists of: 1) A Cobol automatic instrumenter. 2) A set of run-time routines. 3) A standardized testing coverage analysis package. Three reports are produced. 1) A reference listing used to identify all logical segments and paragraphs in candidate program. 2) A coverage report. 3) A not hit report. 4) A histogram report

PRODUCER:
Name: Software Research Associates
Address: P.O.B. 2432, San Francisco, CA 94126, U.S.A.
Telephone: 415-957-1441
Telex: 350-235

For additional information contact:
Name: Christopher Walker
Firm/Institution: Software Research Associates
Address: P.O.B. 2432, San Francisco, CA 94126, U.S.A.
Telephone: 415-957-1441
Telex: 350-235

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM all models and also mini and micros ON-IX, UNIVAC, and DATA GENERAL MV8000.

The software package is implementable on a mainframe computer. Configuration: IBM, IBM, All models.

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IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 80

Batch operations.
Type of system capability: N/A

Documentation: Available in English; User guide.

System is available without geographic limitations.
Warranty: one year.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Object Code: $5,001 - $10,000
Number of installations: 14
*Locations: Confidential. 12 in Japan, 2 in USA.

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I. GENERAL FEATURES

SYSTEM NAME: THETIS

Acronym: THETIS (*)

release date: 72

BACKGROUND and PRIMARY OBJECTIVES:
Creation of a thesaurus with geographical names to help the documentalists in classifying and searching the terms.

GENERAL DESCRIPTION, MAIN FEATURES:
The functions are to create indexes with the simple and compound geographical names

PRODUCER:
Name: Joly Laboratoire Intergeo du CNRS
Address: 191 rue Saint Jacques, Paris 5 ème, FRANCE

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 370/168.

Memory size: 250K
Disk drives: 1MB 1 unit -
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: VMS
Record Management System (RMS): Index sequential, Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: 32

The system's command language is: French, no other languages available.

Thesaurus maintenance.
Batch operations.
Type of system capability: multiple file.

Data entry and revision functions: Insert new text, Change text, Delete text, Save old text, Full screen edit, Cancel latest revisions, Copy text.

Features of query language: Boolean operators, Full-text search.

Search functions: Display dictionary.

Print generator: Editing a format.

Acquisition functions: Document creation.

System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software: N/A

Number of installations: 1

I. GENERAL FEATURES

SYSTEM NAME: Claremont Total Libr[illegible] System

Acronym: TLS

Version: Generalized 1.0 Release date: 83

BACKGROUND and PRIMARY OBJECTIVES:
TLS was originally designed and developed by the Claremont Colleges Libraries (9th and Dartmouth, Claremont CA 91711 U.S.A.) to fulfill their needs for a total library system. Use of the system at Claremont resulted in first library to receive one of the prestigious "Cost Reduction and Incentive" awards granted by the National Association of Colleges and Business Officers, a private U.S. professional organization. OCLC has generalized and enhanced the software, under a licensing agreement with Claremont, so that it serves the needs of libraries of various types and sizes.

GENERAL DESCRIPTION, MAIN FEATURES:
TLS provides for a wide range of library functionas: online public access catalog, catalog maintenance using the OCLC Online Union Catalog for bibliographic data capture, circulation with reserve room capability, acquisitions with fund control, mailbox functions, use of a 15-digit Code 39 barcode, statistics, and the ability to load data from magnetic tapes

VENDOR:
Name: Online Computer Library Center, Inc. (OCLC)
Address: 6565 Frantz Road, Dublin, OH 43017, U.S.A.
Telephone: 614-764-6000
Telex: 810-339-2026

For additional information contact:
Name: Helen M. Hughes
Title: Marketing and Sales Manager
Firm/Institution: Online Computer Center, Inc. (OCLC)
Address: 6565 Frantz Road, Dublin, OH 43017, U.S.A.
Telephone: 614-764-6000
Telex: 810-339-2026

II. HARDWARE REQUIREMENTS

The software package is implementable on a mini computer.
Configuration: Hewlett-Packard, HP 3000.

Memory size: 512KB - 8MB
Disk drives: 27MB 1 unit - 404MB 16 units
Tape drives: 1 - 8
Terminals: 4 - 144
Printers: Max. 8

III. SOFTWARE - OPERATING SYSTEM

Name: MPE
Compilers: Cobol, SPL

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Record Management System (RMS): DBMS
Name of DBMS: Image
Utilities: Sort, Editor, Query.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: fixed
Maximum number of records: 8 million
Maximum number of fields/record: 127

The system's command language is: English

Batch operations.
Online operations.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Features of query language: Numerical search, Search-term truncation, Field-based search, Partial Boolean.

Search functions: Postings, Show results on screen, Print results.

Print generator: Statistics, Forms, Reports, Nephis articulated.

Acquisition functions: Preliminary search, Document creation, Budget control.

Catalog functions: Create, Remove, Correct, Add, Multiple copies.

Circulation functions: Borrower master file, Charging an item, Returning and recharging an item, Control of overdue items, Reserving an item, Multiple copies.

Documentation: Available in English, as yet, unspecified.

System is available in North America.

Warranty: as yet, unspecified.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Price range of hardware: More than $100,000

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*Locations: In-house.

I. GENERAL FEATURES

SYSTEM NAME: Teaching of Printed Subject Indexes

Acronym: TOPSI

Version: 2.0   Release date: Apr. 82

BACKGROUND and PRIMARY OBJECTIVES:
Furthering the research into printed indexes that was begun by two earlier projects, a new grant was awarded to the College to develop a package for teaching techniques for creating several kinds of computer generated indexes.

GENERAL DESCRIPTION, MAIN FEATURES:
The teaching package has been designed to run on a minimum microcomputer configuration (i.e. not including disks) so as to demonstrate the use of computers to produce printed indexes. Two styles of indexes are possible: Articulated and Rotated, and these may be produced on monitor screens for demonstration as well as in printed hard copy. Input may be edited until satisfactory index entries are produced, at which point they are merged with the main index. Output is formatted to one of five fixed patterns

PRODUCER:
Name: College of Librarianship, Wales
Address: Llanbadarn Fawr, Aberystwyth, Dyfed, Wales SY23 3AS,
UNITED KINGDOM
Telephone: 0970-3181
Telex: 35391 (CLW G)

For additional information contact:
Name: Mr. C.J. Armstrong and Mr. E.M. Keen
Firm/Institution: College of Librarianship Wales
Address: Llanbadarn Fawr, Aberystwyth, Dyfed, Wales SY23 3AS,
UNITED KINGDOM
Telephone: 0970-3181
Telex: 35391 (CLW G)

II. HARDWARE REQUIREMENTS

The software package is implementable on a micro computer.
Configuration: Commodore Business Machines, PET 4032, PET 3032.

Memory size: 32K
Disk drives: Max. 1(Commodore)
Tape drives: Min.1cassette
Printers: 1 (any type)

III. SOFTWARE - OPERATING SYSTEM

Name: Commodore
Utilities: Sort.

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IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 254
Maximum number of records: 20 - 120 dependant on record length
Maximum number of fields/record: N/A

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: N/A.

Data entry and revision functions: Full screen edit, Stored data from cassette file.

Print generator: Sort, KWIC-KWOC, Indexing, Editing a format, Nephis articulated.

Documentation: Available in English; Systems manual, Operations manual, User guide, Training manual.

System is available without geographic limitations.
System update and/or maintenance is available.

V. CCST, INSTALLATION

Price range of software:
Source Code : No charge
Conditions (for source code): copying fee requested
*Locations: U.K. Library Schools.

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I. GENERAL FEATURES

SYSTEM NAME: Transportation Research Information Services

Acronym: TRIS

BACKGROUND and PRIMARY OBJECTIVES:
Starting with the Highway Research Information Service (HRIS) in 1964, the TRB has continued to develop and operate computerized storage and retrieval services for transportation research information. The subject scope of HRIS includes all aspects of highway and urban non-rail transportation research. In recent years, a Railroad Research Information Service (RRIS), a Maritime Research Information Service (MRIS), and an Air Transportation Research Information Servic (ATRIS) have been developed. An Urban Mass TRANSPORTATION Research Information Service (UMTRIS) is in the early stage of operations. Abstracts of Highway Safety (HSL) selected by the National Highway Traffic Safety Administration of the U.S. Department of Transportation are now being included in the TRIS file. The purposes of these transportation research information services are to acquire, provide access to, and disseminate notices of all research projects and publications that are most likely to be useful to administrators, engineers, researchers, and other members of the transportation community in the United States.

GENERAL DESCRIPTION, MAIN FEATURES:
TRIS provides transportation research information in air, highway, rail, and maritime transport; mass transit; and other transportation modes. Subjects included are regulations and legislation; energy, environmental, and safety concerns; materials, design, construction and maintenance technology; and operations, traffic control, and communications. The data base records can be either abstracts of documents and data holdings or summaries of on-going or recently completed research projects. Among the transportation research information services contributing to TRIS are the Highway Research Information Service (HRIS), the Urban Mass Transportation Research Information Service, (UMTRIS) and the Highway Safety Literature (HSL). Use of TRIS by means of online retrieval is restricted to U.S. and Canada only

PRODUCER:
Name: Transportation Research Board
Address: 2101 Constitution Avenue, Washington, DC 20418, U.S.A.
Telephone: 202-334-2936
Telex: 710-822-9589
Cable: NARECO

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VENDOR:
Name: DIALOG Information Services, Inc
Address: 3460 Hillview Avenue, Palo Alto, CA 94304, U.S.A.
Telephone: 415-858-3785
Telex: 910-339-9221
Cable: 334-499 (DIALOG)

For additional information contact:
Name: Arthur B. Moblen
Title: Manager of Research Information Service
Firm/Institution: Transportation Research Board
Address: 2101 Constitution Avenue, Washington, DC 20418, U.S.A.
Telephone: 202-334-3257
Telex: 710-822-9589
Cable: NARECO

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 4331; the specific configuration employed is as follows :
Memory size: 2097KB
Disk drives: 285MB
Tape drives: 4
Terminals: 28
Printers: 3

Other peripheral equipment: IV-phase data entry system.

III. SOFTWARE - OPERATING SYSTEM

Name: DOS-VSE Release 30
Record Management System (RMS): Relative direct access
Others: VSAM
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: fixed
Maximum record length: 100 lines (80 chars/line)
Maximum number of records: N/A

The system's command language is: English

Batch operations.
Type of system capability: multiple file, simultaneous file search.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Full screen edit, Cancel latest revisions, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Nesting of instructions.

Search functions: Postings, Print results, Return query.

Print generator: Decode, Statistics, Indexing, Forms.

Acquisition functions: Displaying the document, Multiple copies.

Documentation: User guide.

Special applications: None.

User can add application programs.
System is available in North America.

System update and/or maintenance is available.

VI. COST, INSTALLATION
Number of installations: 1
*Locations: National Academy of Sciences, 2101 Constitution Avenue, NW, Washington DC 20418.

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I. GENERAL FEATURES

SYSTEM NAME: Sperry Univac Information Retrieval System UNIDAS 1100

Acronym: UNIDAS

Version: 6R4 Release date: Feb. 83

BACKGROUND and PRIMARY OBJECTIVES:
UNIDAS, a document and information retrieval system, was first released in 1975. UNIDAS runs on all models of Sperry Univac 1100 series computers as an interactive (DIALOG) system, in batch/demand and real-time modes..

GENERAL DESCRIPTION, MAIN FEATURES:
UNIDAS is a general purpose interactive information storage and retrieval system. It is of modular design and can be tailored to the requirements of the application. It consists of the components: retrieval language, document data base, thesaurus, document index, security and accounting, utilities. ISO standard 2788 (thesaurus construction and use) is implemented

PRODUCER:
Name: Sperry Univac UNIDAS Development
Address: Finkenweg, 6231 Sulzbach, Hessen 6231, FEDERAL REPUBLIC OF GERMANY
Telephone: 06196-700539
Telex: 417421, 417422

VENDOR:
Name: Sperry Univac Headquarters
Address:, Blue Bell, PA 19424, U.S.A.
Telephone: 215-542-3520

For additional information contact:
Name: W. Weickhmann
Title: Staff Consultant
Firm/Institution: Sperry Univac GmbH
Address: Finkenweg, 6231 Sulzbach, Hessen 6231, FEDERAL REPUBLIC OF GERMANY
Telephone: 06196-700539
Telex: 417421, 417422

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer. Configuration: Sperry Univac, UNIVAC 1100/10, UNIVAC 1100/40,

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UNIVAC 1100/60, UNIVAC 1100/80, UNIVAC 1100/90.

Memory size: 50KW - 100KW
Disk drives: 100MB 1 unit - 500MB 320 units
Terminals: 1
Printers: 1

III. SOFTWARE - OPERATING SYSTEM
Name: OS/1100
Record Management System (RMS): Index sequential, DBMS
Name of DBMS: DMS/1100
Utilities: Sort.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric, numeric
Maximum record length: not limited
Maximum number of records: 157,000,000
Maximum number of fields/record: not limited

The system's command language is: Euronet, Private

Thesaurus maintenance.
Batch operations.
Online operations; Number of terminals: no limit.

Type of system capability: multiple file, simultaneous file search, networks and communication.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Full screen edit, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search, Full-text search.

Search functions: Display dictionary, Postings, Show results on screen, Print results, Save query, Revise query, Return query.

Acquisition functions: Document creation, Displaying the document.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, Operations manual, User guide.

User can add application programs.
System is available without geographic limitations.
Warranty: 6 months.

System update and/or maintenance is available.

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V. COST, INSTALLATION

Price range of software :
Conditions (for source code): No purchase, (for object code): monthly lease US $600 .
Price range of hardware: More than $100,000

Special terms for developing countries: None

Number of installations: 58
*Locations: Confidential.

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I. GENERAL FEATURES

SYSTEM NAME: USERLINK Online Access Program

Acronym: USERLINK (*)

release date: Apr. 82

BACKGROUND and PRIMARY OBJECTIVES:
The package derives from the software for the USERKIT online terminal attachment. It reduces online costs and simplifies online access. Logon protocols are carried out automatically, online messages can be created and edited before online connection, output can be stored and edited before printing or retransmission, addresses and passwords can be stored for re-use on disk.

GENERAL DESCRIPTION, MAIN FEATURES:
USERLINK includes these features: Messages can be stored to avoid re-typing, as well as being created and corrected before sending online. Stored text can be sent at full speed saving 50% connect time. Logon procedure completed utilyzing one command. Output can be stored/edited before printing or sending to another computer. The complete online session can be sent using one command

PRODUCER:
Name: USERLINK Systems Ltd
Address: 9 Brabyns Brow, Marple, Stockport, Cheshire SK6 7DA,
UNITED KINGDOM
Telephone: 061 427 5976

For additional information contact:
Name: P.W. Williams, Dr.
Firm/Institution: USERLINK Systems Ltd
Address: 9 Brabyns Brow, Marple, Stockport, Cheshire SK6 7AD,
UNITED KINGDOM
Telephone: 061 427 5976

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: Intertec Data System SUPERBRAIN, all Z80 CP/M Systems including CIFER 2680 Series.

The software package is implementable on a micro computer.
Configuration: Intertec Data Systems, SUPERBRAIN.

Memory size: 16K
Disk drives: 2 Disk drives

III. SOFTWARE - OPERATING SYSTEM

Name: CP/M
Compilers: Machine code for direct running

IV. SOFTWARE APPLICATION SYSTEM

The system's command language is: English

Online operations; Number of terminals: One.

Type of system capability: networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Insert text from external files, Automatic logon.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query, Autosend for interactive search carried out automatically.

Print generator: Word processing.

Documentation: Available in English; Reference manual, User guide, Training manual.

Special applications: Online access for information systems, electronic mail, cataloguing systems.

System is available in North America, Europe.

Warranty: 3 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000
Conditions (for source code): 7.
Price range of hardware: Up to $5,000

Number of installations: 35
*Locations: GKN Technology Ltd., Wolverhampton, U.K.; Hampshire Contry Library, Winchester, U.K.; Chemistry Department, University of Manchester, Manchester U.K..

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I. GENERAL FEATURES

SYSTEM NAME: University of Tsukuba Online Processing of Information

Acronym: UTOPIA

BACKGROUND and PRIMARY OBJECTIVES:
1 Apr. 1981: Installed; as of 1 June 1982 23 large scale international bibliographic data bases were included.
Objectives: To provide bibliographic access to Scientific and Technical Information for scientists and practitioners belong to Japanese academic institutions.

GENERAL DESCRIPTION, MAIN FEATURES:
A general purpose online information retrieval system based on FAIRS-I (X02/L08) produced by FUJITSU Co

PRODUCER:
Name: University of Tsukuba Science Information Processing Center
Address: 1-1-1 Tenno-dai, Sakura-mura, Niihari-gum, Ibaraki-ken 305, JAPAN
Telephone: 0298-53-2451

For additional information contact:
Name: Kazuhiko Nakayama
Title: Director
Firm/Institution: University of Tsukuba Science Information Processing Center
Address: 1-1-1 Tenno-dai, Sakura-mura, Niikari-gun, Ibaraki-ken 305, JAPAN
Telephone: 0298-53-2451

II. HARDWARE REQUIREMENTS

The software package is implementable on a mainframe computer.
Configuration: Fujitsu-Co, FACOM M-200.

Memory size: Max. 32MB
Disk drives: Max. 40GB
Tape drives: Max. 11
Terminals: Max. 400
Printers: Max. 7

III. SOFTWARE - OPERATING SYSTEM

Name: Facom OSIV/F4

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable

The system's command language is: English-like, no other languages available.

Thesaurus maintenance.
Batch operations.
Online operations.

Type of system capability: multiple file, single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Adjacency of search terms, Thesaurus, Field-based search.

Search functions: Display dictionary, Postings, Show results on screen, Print results.

Print generator: Sort, KWIC-KWOC.

Acquisition functions: Preliminary search.

Catalog functions: Create, Correct, Add.

Documentation: Training manual.

System is available in, Japan.

System update and/or maintenance is available.

VI. COST, INSTALLATION

*Locations: In-house.

I. GENERAL FEATURES

SYSTEM NAME: Software Package for Computer Produced Publications

Acronym: VINCAPRINT

Version: 2 Release date: 81

BACKGROUND and PRIMARY OBJECTIVES:
The software package has been developed since 1976 to produce computer-edited publications resulting from the creation of a scientific-technical information system . The primary objectives of this package are: the development of in-house software applicable on minicomputers to enable the formation of data files without large initial investments in software and hardware, the presentation of data file contents to the widest audience of users through printed publications, and the establishment of a library of programs for text processing.

GENERAL DESCRIPTION, MAIN FEATURES:
The program system is written in COBOL, using the minimum instruction set. It is oriented toward batch processing on a minumum configuration computer. The record description and types of program operations have been parameterized. The main functions are: creation and updating files, formation of inverted files, generation of KWIC, KWOC and double KWIC indexes (i.e. data selection).The principal applications are the compilation of indexes and document registers in libraries, documentation centers and archives in the preparation of central catalogues, general and selective bibliographies.

PRODUCER:
Name: Institute of Informatics "Mihailo Petrović Alas", IBK VINCA
Address: P.O.B. 522, Beograd 11000, YUGOSLAVIA
Telephone: (011) 440-871/397
Telex: YU 11563

For additional information contact:
Name: Popović Nikola
Firm/Institution: Institute of informatics "Mihailo Petrović Alas", IBK VINCA
Address: P.O.B. 522, Beograd 11000, YUGOSLAVIA
Telephone: (011) 440-871/528
Telex: YU 11563

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II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: CDC all models and on a mini computer Honeywell Series 60, Level 6, all models.

The software package is implementable on a mainframe computer.
Configuration: Control Data Corp., CDC, All models.

Memory size: 128KB
Tape drives: 3
Printers: 1

III. SOFTWARE - OPERATING SYSTEM

Name: SCOPE
Compilers : COBOL

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric
Record length: variable
Maximum record length: 32,000 bytes
Maximum number of fields/record: 99

Batch operations.
Type of system capability: single file search.

Data entry and revision functions: Insert new text, Change text, Delete text, Find text, Save old text, Insert text from external files, Move text, Copy text.

Features of query language: Boolean operators, Search-term truncation, Field-based search, Full-text search.

Search functions: Postings, Print results.

Print generator: Decode, KWIC-KWOC, Forms, Editing a format.

Documentation: User guide.

User can add application programs.
System is available without geographic limitations.
System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: Up to $5,000
Price range of hardware: $10,001 - $50,000

Number of installations: 2
*Locations: Institute of Informatics, IBK VINCA, P.O.B. 522, 11000 Beograd, Yugoslavia.

****

I. GENERAL FEATURES

SYSTEM NAME: Versatile Informtion Processor

Acronym: VIP

Version: C.12 Release date: Nov. 82

BACKGROUND and PRIMARY OBJECTIVES:
Initially released in 1972, VIP was designed as a general purpose elctronic file cabinet. Over the years it has evolved in several dimensions beyond its intial goals. VIP is particularly useful for rapid conversion of "simple" manual systems such as mailing lists, abstracts, indices, personnel, etc.

GENERAL DESCRIPTION, MAIN FEATURES:
VIP is a type of relational information retrieval system, employing a single relation. It supports variable length records and fields as well as multi-valued fields. Simultaneous data entry and update, automatic auditing and abstraction are supported. The query language and all attributes can be dynamically user defined. Data compaction is automatic. VIP has been implemented on about 10 machines and about 1,000 data bases have been implemented over the last 10 years. It has been applied to abstracts, personnel, real estate, microfiche indices, reservations, mailing lists, patents, accident reports, libraries and many more

PRODUCER:
Name: Comshare Limited
Address: 180 Attwell Drive, Rexdale, Ontario M9W 6H4, CANADA
Telephone: 416-675-6363

For additional information contact:
Name: E. R. Soward
Title: Sr. System Analyst
Firm/Institution: Comshare Limited
Address: 180 Attwell Drive, Rexdale, Ontario M9W 6H4, CANADA
Telephone: 416-675-6363

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: HONEYWELL SIGMA models, SIGMA 5-9 and any XEROX.

The software package is implementable on a mini computer. Configuration: Honeywell Information Systems, SIGMA 5-9.

Memory size: 96KB

****

Other peripheral equipment: None required.

III. SOFTWARE - OPERATING SYSTEM

Name: CPV or UTS
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: no limit
Maximum number of records: 10 million
Maximum number of fields/record: No limit

The system's command language is: Initially English, user redefinable, Any

Batch operations.
Online operations; Number of terminals: 128.

Type of system capability: simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Save old text, Cancel latest revisions, Insert text from external files.

Features of query language: Boolean operators, Numerical search, Search-term truncation, Field-based search, Full-text search, Nesting of instructions, Alternative query languages.

Search functions: Display dictionary, Show results on screen, Print results, Save query, Revise query.

Print generator: Sort, KWIC-KWOC, Statistics, Editing a format, Indexing is supported indirectly.

Acquisition functions: Preliminary search, Document creation, Skip (in create prompt mode), Displaying the document.

Catalog functions: Create, Skip (in create prompt mode), Remove, Print catalogs, Correct, Add.

Documentation: Reference manual, User guide.

Special applications: Many and varied.

User can add application programs.
System is available in North America, Europe; European access is limited. Details available from Comshare UK, 32-34 Great Peter Street, London SW1P 2DB, England.

Warranty: Negotiable.

System update and/or maintenance is available.

V. COST, INSTALLATION
Price range of software:
*Source Code: $10,001 - $50,000
Price range of hardware: More than $100,000

Special terms for developing countries: Negotiable

Number of installations: 10
*Locations: Comshare Limited, Rexdale, Ontario, Canada; Xerox Corporation, Webster, N.Y., USA; Datalogics Inc., Cleveland, OH 44106, USA; Wilfrid Laurier University, Waterloo, Ontario, Canada.

****

I. GENERAL FEATURES

SYSTEM NAME: Washington Library Network Computer System

Acronym: WLN

Version: 2.2 Release date: Aug. 82

BACKGROUND and PRIMARY OBJECTIVES:
Developed by the State of Washington between 1972-1977 as an integrated library processing system to increase productivity and access to materials in libraries in the Pacific Northwestern U.S.A.

GENERAL DESCRIPTION, MAIN FEATURES:
Supports:Shared cataloging and catalog maintenance with linked authority control; production of catalog cards, bibliographies,COM catalogs; Online union catalog with subject access; Ordering and Recieving of materials, subscription control ; Fund accounting; Batch retrospective conversion. Other facilities now under development at several installation sites.

PRODUCER:
Name: Washington Library Network
Address: AJ-11, Olympia, WA 98504, U.S.A.
Telephone: 206-459-6518

VENDOR:
Name: Biblio-Techniques, Inc.
Address: 8511 Lake Lucinda Drive S.W., Olympia, WA 98502, U.S.A.
Telephone: 206-786-1111

For additional information contact:
Name: Raymond DeBuse
Title: Dir. of Planning and Development
Firm/Institution: Washington Library Network
Address: AJ-11, Olympia, WA 98504, U.S.A.
Telephone: 206-459-6522

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: IBM 4341 or IBM-compatible only.

The software package is implementable on a mainframe computer.
Configuration: IBM, IBM 4341.

Memory size: 2MB
Disk drives: 300MB(2units)
Tape drives: 2 - 4
Terminals: 1 - 500

III. SOFTWARE - OPERATING SYSTEM
Name: MVS/SP
Record Management System (RMS): DBMS
Name of DBMS: ADABAS
Utilities: Requires CICS/VS or COM-PLETE , range of IBM utilities.

IV. SOFTWARE APPLICATION SYSTEM
Type of data: alphanumeric
Record length: variable
Maximum record length: 3000 bytes
Maximum number of records: 16 million per file

The system's command language is: English

Thesaurus maintenance.
Batch operations.
Online operations.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Insert new text, Data validation, Change text, Delete text, Find text, Full screen edit, Insert text from external files.

Features of query language: Boolean operators, Search-term truncation, Thesaurus, Field-based search, Keyword in certain fields.

Search functions: Show results on screen, Print results, Save query, Revise query.

Print generator: Sort, Forms.

Acquisition functions: Preliminary search, Document creation, Multiple copies, Budget control.

Catalog functions: Create, Remove, Print catalogs, Correct, Add.

Documentation: Available in English; Reference manual, Operations manual, User guide.

System is available without geographic limitations.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Source Code: More than $100,000
Price range of hardware: More than $100,000

Special terms for developing countries: None

Number of installations: 6
*Locations: WLN, Olympia, WA, USA; Biblio-techniques 8511 Lake Lucinda Dr. S.W.,Olympia. WA 98502; Natl. Lib. of Australia, Canberra; Natl. Lib. of New Zealand, Wellington, University of Illinois, Urbana;University of Missouri, Columbia.

****

I. GENERAL FEATURES

SYSTEM NAME: Y-DOC - An Application Generator

Acronym: Y-DOC

Version: 1.2   Release date: Oct. 82

BACKGROUND and PRIMARY OBJECTIVES:
To provide a complete inter-active application and report generator for DEC PDP-11 VAX subsystems.

GENERAL DESCRIPTION, MAIN FEATURES:
Interactive application generator for data processing applications. Y-DOC is based on a hierarchial data base on Digital computers

PRODUCER:
Name: Yael Software and Systems
Address: 29 Hayetzira St., Ramat-Gan 52521, ISRAEL
Telephone: 03-719191
Telex: 341730 ATTN: YAEL

For additional information contact:
Name: Jack Y. Avissar
Title: Marketing Manager
Firm/Institution: YAEL Software and Systems
Address: 29 Hayetzira St., Ramat-Gan 52521, ISRAEL
Telephone: 03-719191
Telex: 341730 ATTN: YAEL

II. HARDWARE REQUIREMENTS

COMPUTERS: The system operates on: DEC PDP 11 all models and VAX.

The software package is implementable on a mini computer.
Configuration: Digital Equipment Corp., PDP 11, All models.

Memory size: 128KB
Disk drives: RL01, RL02 etc. 1 unit
Terminals: 1 - Installation dependent
Printers: Installation dependent

Other peripheral equipment: None.

III. SOFTWARE - OPERATING SYSTEM

Name: RSTS, RSX
Compilers: Fortran, MACRO
Record Management System (RMS): Relative direct access

IV. SOFTWARE APPLICATION SYSTEM

Type of data: alphanumeric, numeric
Record length: variable
Maximum record length: 2KB
Maximum number of records: Disk dependent
Maximum number of fields/record: 150

The system's command language is: English, no other languages available.

Batch operations.
Online operations; Number of terminals: Depends on installation.

Type of system capability: multiple file, simultaneous file search, single file search, networks and communication.

Data entry and revision functions: Data validation.

Search functions: Display dictionary, Show results on screen, Print results.

Print generator: Sort, Decode, Statistics, Forms.

Catalog functions: Create, Remove, Print catalogs, Correct, Add, Multiple copies.

Documentation: Available in English; Systems manual, Utilities manual, Reference manual, User guide.

User can add application programs.
System is available without geographic limitations.
Warranty: 6 months.

System update and/or maintenance is available.

V. COST, INSTALLATION

Price range of software:
*Object Code: $10,001 - $50,000
Conditions (for object code): depends on installation.
Price range of hardware: $10,001 - $50,000

Number of installations: 11
*Locations: Ministry of Justice, Jerusalem; Beilinson Hospital, Petach-Tikva; Malram, Software house, Haifa.

BIBLIOGRAPHY

Any bibliography for a field as rapidly changing as the one covered in this Inventory is doomed to be outdated as soon as it appears. New techniques and products and revision of old products appear faster than the publication process can handle. To be of any use at all, a bibliography must represent a judicious selection, from the wealth of available material, of items likely to be of more than passing interest. This brief listing is in three parts:

I. General, introductory or evaluative books (including directories)
II. Periodicals that provide an ongoing picture of the latest developments in computer and information technology and their applications in library and information-center work
III. A sampling of recent (1980-82) periodical articles

I. BOOKS

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- Auerbach Software Notebook. Philadelphia: Auerbach Publishers.

- Bahr, Alice Harrison. Automated Library Circulation Systems, 1979-80. White Plains, New York: Knowledge Industry Publications, 1979.

- Boss, Richard W. Library Manager's Guide to Automation. White Plains, New York: Knowledge Industry Publications, 1979.

- Chen, Ching-Chih; Bressler, Stacey E., eds. Microcomuters in Libraries. New York: Neal - Schuman, 1982.

- Griffiths, Jose-Marie; Application of minicomputers and microcoputers to information handling. (Prepared for the General Information Programme and UNISIST). Paris, Unesco, 1981 94+ pages. (PGI-81/WS/28).

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- Huffenberger, M.A.; Wiggington, R.L. "Database Management Systems" in Annual Review of Information Science and Technology (v. 14). White Plains, New York: Knowledge Industry Publications, 1979. P, 153-90.
- Keaney, J.M.; Mitutuinovich, J.S. A Guide to Successful Computer System Selection. Park Ridge, IL: Data Processing Management Association, 1976.
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- Lancaster, W.F. Information Retrieval Systems: Characteristics, Testing and Evaluation (2nd ed.) New York: Wiley, 1979.
- Matthews, J.R. Choosing an Automated Library System: A Planning Guide. Chicago: American Library Association, 1980.
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- Reed, M.J.P; Vrooman, H.T. "Library Automation" in Annual Review of Information Science and Technology (v. 14). White Plains, New York: Knowledge Industry Publications, 1979.
- Rorvig, Mark E. Microcomputers and Libraries: A Guide to Technology, Products and Applications. White Plains, New York: Knowledge Industry Publications, 1981.
- Schnittroth, John Jr., ed. Encyclopedia of Information Systems and Services. (5th ed.) Detroit: Gale Research Co., 1983.

II. PERIODICALS

- Advanced Technology Libraries. Monthly. Charles Mayr, Managing Editor. Knowledge Industry Publications. 701 Westchester Avenue, White Plains, New York 10604, U.S.A.
- Byte. Monthly. Mark Haas, Managing Editor. Post Office Box 590, Martinsville, New Jersey 08836, U.S.A.

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- Computer Decisions. Monthly. Hesh Wiener, Editor. Hayden Publishing Co., 50 Essex Street, Rochelle Park, New Jersey 07662, U.S.A.

- Computerworld. Weekly. E. Drake Lundell, Editor. CW Communications. Weekly, 375 Cochituate Road, Framingham, Mass. 01701, U.S.A.

- Database, The Magazine of Database Reference and Review. Quarterly. Online, Inc., 11 Tannery Lane, Weston, Ct. 06883, U.S.A.

- Datamation. Monthly. John L. Kirkley, Editor. Datamation, 666 Fifth Avenue, New York, New York, U.S.A.

- Datapro Directory of Software (includes SoftwareNews). Monthly. Datapro research Corporation, 1805 Underwood Blvd., Delran, New Jersey 08075, U.S.A.

- Information Technology and Libraries. Quarterly. Brian Aveney, Editor. American Library Association, 50 East Huron Street, Chicago, Illinois 60611, U.S.A.

- Infosystems. Monthly. Arnold E. Keller, Editorial Director. Hitchcock Publishing Company, Hitchcock Building, Wheaton, Illinois 60187, U.S.A.

- Infoworld. Bi-weekly. Richard Milewski, Editor in Chief. Infoworld, Inc., 530 Lytton Avenue, Palo Alto, California 94301, U.S.A.

- Library Computer Equipment Review. Semiannually. William Saffady, Editor. Microform Review Inc., 520 Riverside Drive, Westport, Connecticut 06880, U.S.A.

- Library Journal. Semimomthly. John N. Berry III, Editor in Chief. R.R. Bowker Company, Post Office Box 13731, Philadelphia, Pa. 19101, U.S.A.

- Library Technology Reports. Bimonthly. William Saffady, Editor. American Library Association, 50 East Huron Street, Chicago, Illinois 60611, U.S.A.

- Online, The Magazine of Online Information Systems. Bimonthly. Online, Inc., 11 Tannery Lane, Weston, Ct. 06883, U.S.A.

- Online Review. Bimonthly. Neil Sanderson, Managing Editor. Learned Information, Besselsleigh Road, Abingdon, Oxford OX13 6LG, United Kingdom.

- Program - Automated Library and Information Systems. Quarterly. Tom Byrne, Managing Editor. Aslib, 3 Belgrave Square, London, SW1X 8PL, United Kingdom.

- Software Age. Monthly. John F. Sikora, Editor. Press-Tech, Inc. 2211 Fordem Avenue, Madison, Wisconsin 53701, U.S.A.

- Software Digest. Biweekly. Daniel Casolaro, Editor. EDP News Services, 7620 Little River Turnpike, Annandale, Virginia 22003.

- SoftwareNews - see Datapro Directory of Software

- Software Review. Semiannually. William Saffady, Editor. 530 Riverside Drive, Westport, Ct. 06880, U.S.A.

III. PERIODICAL ARTICLES

- Ashford, J.H.; Dudley, M.P. "Design Aspects of an On-line Integrated Public Library System". Program 13: 111-26, July 1979.

- Boss, Richard W.; McQueen, Judy. "Automated Circulation Control Systems". Library Technology Reports 18/2: 125-266, March-April 1982.

- Boss, Richard E.; Marcum, D.H. "On-line Acquisitions Systems for Libraries". Library Technology Reports, March-April 1981 issue.

- Falk, H. "Computer Software and Equipment Considerations". School Library Journal, 28: 29-32, November 1981.

- Halperin, M., ed. "Applications of Packaged Computer Programs". Drexel Library Quarterly, Winter 1981 issue.

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- "Information Technology and Special Libraries". Special Libraries, April 1981 issue.

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- Meyer, R.W.; et. al. "General Planning Methodology for Automation". Journal of Library Automation, 14: 205-9, September 1981.

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- Rowat, M.J. "Microcomputers in Libraries and Information Departments". Aslib Proceedings, 34: 26-37, January 1982.

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NOTE

One may refer to ongoing issues of Library Literature and Library and Information Science Abstracts (LISA) for citations of other current articles on information technology.

ANNEX I

GLOSSARY

Where the definition of a term is followed by a numeral in parentheses, this indicates that it has been taken from one of the following sources:

(1) Jordain, Philip B. and Breslau, Michael. *Condensed Computer Encyclopedia*. St. Louis: McGraw Hill, 1969.
(2) Chandor, Anthony. *A Dictionary of Computers*. Penguin, 1970.
(3) Ralston, Anthony (ed.). *Encyclopedia of Computer Science*. New York: Petrocelli/Charter, 1976.
(4) Matthews, Joseph R. *Choosing an Automated Library System: A Planning Guide*. Chicago: American Library Association, 1980.
(5) Boss, Richard W. and McQueen, Judy. "Automated Circulation Control Systems." *Library Technology Reports*, 18/2: 125-266, March-April 1982.

ACCEPTANCE TEST: Standards or procedures for maintenance programming or operations staff to approve a new system before it becomes operational. The purpose of such a test is to subject a new system to hypothetical operating circumstances and determine its soundness before actual use (4).

ACCESS: The process of obtaining data from a peripheral unit or retrieving it from a storage device (2).

ALPHANUMERIC: Pertaining to a character set or field of data in which the coded characters may represent numerals or letters... in its strictest sense it does not cover coded characters relating to symbols such as / £ $ (2).

ANSI: Acronym for American National Standards Institute (U.S.A.).

APPLICATIONS PROGRAMMING: Programs that are written to solve problems, to produce specific reports, and to update specific files (3).

ARITHMETIC LOGIC UNIT; or ARITHMETIC UNIT; or ALU: That portion of the central processor of a computer which handles the execution of all arithmetic and logic operations (1).

ASCII: American Standard Code for Information Interchange.

GLOSSARY

ASSEMBLER; or ASSEMBLY PROGRAM: A program designed to convert symbolic instructions into a form suitable for execution on a computer (1).

AUTHORITY FILE: A file indicating which version of a term, title or name (personal or corporate) is preferred for use when variant spellings, pseudonymns, acronyms, etc. are current. For example: 'Twain, Mark' in preference to 'Clemens, Samuel'; 'State of Israel' rather than 'Israel - State of', etc.

BAR-CODE SCANNER: An optical character reader which can automatically read data from documents bearing characters formed with a special bar code. The characters are translated into digital signals which may be entered directly into a central processor or recorded in some data medium (2).

BASIC: Acronym for Beginner's All-purpose Symbolic Instruction Code, a programming language commonly used in information work.

BATCH PROCESSING: A method of processing data in which transactions are collected and prepared for input to the computer for processing as a single unit. There may be some delay between the occurrence of original events and the eventual processing of the transactions (2).

BENCHMARK: A particular calculation used to measure the performance of different machines or programs (2).

BIT: An abbreviation of binary digit, one of the two digits (0 and 1) used in binary notation. The term is extended to the actual representation of a binary digit in different forms, e.g., an element of core storage, a magnetized spot on a recording surface, a pulse in an electronic circuit (2).

BLOCK: Physical unit of record storage, consisting of a fixed number of bytes (such as 512), which may serve as a unit for input/output operations.

BOOLEAN ALGEBRA: (Named after the mathematician George Boole, 1815-64), uses algebraic notation to express logical relationships in the same way that conventional algebra is used to express mathematical relationships (2).

BUFFER STORE: Generally used as a means of temporarily storing data when information is being transmitted from one unit to another; e.g., between a central processor and its input/output peripheral units. The purpose of a buffer is to compensate for the different speeds at which the units can handle data (2).

BUS: A major route along which signals travel from one of several sources to one of several destinations (2).

BYTE: A string of binary digits, usually shorter than a word, operated on as a unit. Loosely speaking, a byte is one character of data: it is the smallest division of memory that can be accessed as a unit by the computer.

CENTRAL PROCESSOR; or CENTRAL PROCESSING UNIT; or CPU: The part of the computer containing the circuits required to interpret and execute instructions. (1); coordinates and controls the activities of all the other units and performs all the arithmetic and logical processes to be applied to data (2).

COBOL: Acronym for Common Business Oriented Language.....an internationally accepted programming language developed for general commercial use (2).

COM: Acronym for Computer Output Microfilm/form/fiche -- a technique in which a computer formats pages for a microform medium.

COMMAND LANGUAGE: A language in which users of a data-processing system describe the requirements of their tasks (or jobs) to that system (3).

COMPATIBILITY: Compatibility is said to exist between two computers if programs can be run on both without alteration (2).

COMPILER: A complex program which converts computer instructions written in a source language into machine code. The resulting object program can then be read and acted upon by the computer (2).

COMPUTER PROGRAM: A set of instructions composed for solving a given problem by computer (2).

CORE STORAGE: A type of memory composed of magnetic cores in which data is held in binary form by means of the property of cores of retaining a positive or negative charge (2).

CURSOR: A special character or symbol on a soft copy (display) terminal, which is used by an interactive program as a pointer or attention-focussing device to allow communication and interaction between the...operator and the program (3).

DATABASE: A file of data so structured that appropriate applications draw from the file and update it but do not themselves constrain the file design or its content. A file which is not designed to satisfy a specific, limited application (2).

DATABASE MANAGEMENT SYSTEM (DBMS): Software that handles the storage and retrieval of the records in...[a] database (3).

DICTIONARY: See THESAURUS

DOCUMENT: A record in a file, generally consisting of textual data, whose format and content are defined according to the characteristics of the particular application. For instance, a document may be the full text of an input record, or a selection of bibliographic fields from a larger document.

GLOSSARY

DOCUMENTATION: The collection, organized and stored, of records for the purpose of making information easily accessible to the user. Records that describe the purpose, the use, the structural details and the operational requirements of a program are absolutely necessary in order for a program to be used by others than the author (1).

DOWNTIME: The period during which a machine is inoperable due to a machine fault (2).

EBCDIC: Extended Binary Coded Decimal Interchange Code...developed by IBM for use on the IBM system/360....In order to remain compatible with IBM equipment, many other computers also use EBCDIC (3).

ERROR MESSAGES: Messages generated by systems or applications software notifying a user of a problematic situation caused by human or machine error that must be tended to before the normal sequence of operations can be resumed.

FILE: A collection of related records treated as a unit (1).

FILE MAINTENANCE: The activities involved in keeping a file up-to-date by adding, changing or deleting data (1).

FORTRAN: An acronym for FORmula TRANslation...a problem-oriented, high level programming language for scientific and mathematiical use, in which the source program is written using a combination of algebraic formulae and English statements of a standard but readable form (2).

HARDWARE: The physical units making up a computer system - the apparatus as opposed to the program (2).

HELP ROUTINES: Routines included within a larger software package that facilitate use of the package by displaying information on commands, options, etc.

INDEX: Compilations of file contents together with pointers to record locations used to access data...the system matches the search key with an index entry that points to the physical location of the required record (5).

INDEX SEQUENTIAL: Method of file organization in which each record is given an identifying key, so that direct access to records is by means of an index linking record keys and addresses.

INFORMATION RETRIEVAL: The technique and process of accumulating, classifying, cataloging, storing and searching large amounts of data, and reproducing (or displaying) the required information contained within the data (1).

INTERACTIVE: Type of computing system in which a command system receives control information directly from the user at a console. Each command issued by the user causes a task to be executed for him, the output of which is usually transmitted directly to his console (3).

GLOSSARY

INTERPRETER: A program that translates and executes each source program statement before proceeding to the next one (1).

I/O: Usual abbreviation for input or output, or both. Pertains to all equipment and activity that transfers information into or out of a computer. I/O is the interface between the real world outside a computer and the abstract mathematical and logical environment of a computer (1).

K: An abbreviation for kilo, used to denote a thousand (2); often used to designate 1024 (=2 to the tenth power).

KEY: A data item that serves to identify uniquely a data record (1).

KEYWORD IN CONTEXT INDEX; or KWIC: Information search tool that produces an output in which each entry normally consists of one line of text printed in such a way that the particular keyword characterizing the entry appears in alphabetical order in the middle of the line, with both left and right contexts and with the corresponding document reference number (3).

KEYWORD OUT OF CONTEXT INDEX; or KWOC: Index containing listings in which a full title may be entered, together with the particular keyword listed separately (3).

LANGUAGE TRANSLATOR: Any assembler or compiler that accepts human readable statements and produces equivalent outputs in a form closer to machine language (1).

LIGHT PEN: A highly sensitive photo-electric device used as an adjunct to a cathode ray tube display unit.

MACHINE LANGUAGE: In its strictest sense refers to instructions written in machine code which can be immediately obeyed by a computer without translation. Used more loosely to refer to any symbolic instructions which are written for execution by a computer system (2).

MAGNETIC DISK: A storage device consisting of a number of flat circular plates each coated on both surfaces with some magnetizable material. A number of tracks are available on the surface and data is read from or written on these tracks by means of read/write heads (2).

MAGNETIC TAPE: A tape with a magnetic surface on which data can be stored by selective magnetization (1).

MAINFRAME: A large-scale or medium-scale computer with a memory capacity of 4 million to 32 million characters, featuring operating speeds measured in nanoseconds (5).

MAINTENANCE: Any activity intended to keep equipment or programs in satisfactory working condition, such as preventive maintenance, file maintenance, program maintenance, software-package maintenance (1).

MANAGEMENT INFORMATION SYSTEM; or MIS: data-processing application intended to supply management and supervisory staff in an organization with data relevant to their current activities.

MEMORY: Any apparatus in which data may be stored, and from which the same data may be retrieved (1); usually reserved for describing the internal store of a computer (2).

MICROCOMPUTER: A small computer consisting of at least one microprocessor and associated input and output interfaces (5).

MICROPROCESSOR: A complete computer processor on a single integrated circuit chip (5).

MINICOMPUTER: A physically compact digital device that has a central processing unit, at least one input/output device, and a primary-storage capacity of at least four thousand characters.

MODEM: Acronym for modulator-demodulator. A hardware device that converts data from one form (or code) to another, usually for purposes of transmission (1); enables data to be transmitted over long distances without error (2).

MULTIFILE CAPABILITY: Ability of a single database to support more than one physical file.

MULTIPROGRAMMING: Interleaved execution of two or more programs by a computer...a technique by which a digital computer can appear to process several programs at once, and yet still operate in a strictly sequential manner (1).

NETWORK: A computer linked with terminals or with other computers, at remote sites (5)

OBJECT LANGUAGE: Language or set of coded instructions into which a source language is translated by a compiler...usually but not necessarily a machine language directly understandable by a computer (2).

ONLINE: A part of a computer system...directly under the control of the central processor (2).

OPERATING SYSTEM: A set of programs and routines which guide a computer in the performance of its tasks, assist the programs (and programmers) with certain supporting functions, and increase the usefulness of the computer's hardware.

PACKAGED SOFTWARE: A computer program or set of programs designed to operate on specified inputs and providing specified outputs. Packaged software, in general, is tested and reasonably free of mistakes (bugs) and has all attributes which are necessary for trouble-free operation, including documentation, installation and maintenance support.

PERIPHERAL UNITS: Machines which can be operated under computer control...consisting of input devices, output devices and storage devices

(2).

PROGRAM COMPATIBILITY: The situation in which two different computers can accept and operate on the same program or programs written in the same machine language or source language (2).

PROGRAMMING LANGUAGE: A language, other than machine language, used for expressing computer programs (1).

PROMPT: A request for user input of data or a command, issued by applications or systems software.

RANDOM ACCESS: Direct, immediate retrieval of a record regardless of its physical location within a file.

REAL TIME: Any system in which the processing of data input to the system to obtain a result occurs virtually simultaneously with the event generating the data.

RECORD: A group of adjacent data items, manipulated as a unit (1); basic element of a file consisting in turn of a number of interrelated data elements (2).

RECORD MANAGEMENT SYSTEM; or RMS: Generic term for the technique(s) used to organize records within a file.

RELATIVE DIRECT ACCESS: Method of file organization in which record locations are fixed in relation to some base point, with the placement of a logical record in a certain location unaffected by changes in the contents of other record positions.

RESPONSE TIME: The time required to answer an inquiry. For example, the time needed to transfer an inquiry from a terminal to a central computer and to receive a reply at that terminal. Includes the time required for transmission in each direction, plus time for retrieving and processing data to handle the inquiry (2).

SELECTIVE DISSEMINATION OF INFORMATION; or SDI; or CURRENT AWARENESS SYSTEM: A system for notifying users on a periodic basis of the acquisition of information (usually literature) by a central file or library, which should be of specific interest to the user (3).

SEQUENTIAL ACCESS: A process that involves reading or writing data serially, and by extension, a data recording medium that must be read serially, as a magnetic tape (1).

SIMULATION: The mathematical representation of problems allowing physical situations to be represented mathematically as a means of solving the problems created by the factors of the physical processes (2).

SIMULTANEOUS FILE SEARCH: Access by a single program to more than one file at a time.

GLOSSARY

SOFTWARE: The totality of programs and routines usable on a particular kind of computer...equally, the documentation associated with a computer or program...forms part of the software (1).

SOFTWARE PACKAGE: A program (or set of programs) for performing some specific function or calculation, which is useful to more than one computer user and which is sufficiently well documented to be used without modification on a defined configuration of some computer system (3).

SORT: To rearrange a set of data items into a new sequence, governed by specific rules of precedence, and by extension the program designed to perform the above activity (1).

SOUNDEX: Technique for retrieving from a file all terms that are phonetically similar to an input term, regardless of variant spellings of homophones.

SOURCE CODE; SOURCE LANGUAGE: A programming language which cannot be directly processed by the hardware of a computer but requires compilation into an object program consisting of instructions in a machine language which can be directly understood by the computer (2).

SOURCE PROGRAM: The form of a program just as the programmer has written it...a program expressed in source-language form (1).

STATISTICS: As used in the Inventory, refers to the generation of summary data related to the content or use of a software package.

STRING: A set of consecutive, adjacent items of similar type. Normally, a bit string, or a character string (1).

SYSTEM: A plan, design or method of organization that is intended to accomplish some purpose. By extension, a collection of men, machines, environments, etc., organized according to a plan in order to accomplish some stated purpose (1).

TAPE DRIVE: A device, including some associated electronics, which moves the tape past a fixed head (1).

TELECOMMUNICATIONS: The transmission and reception of data over radio circuits or transmission lines by means of electromagnetic signals (2).

TERMINAL: A site or location at which data can leave or enter a system...usually refers to a device for entering or receiving data at the end of a transmission path (1).

THESAURUS; or DICTIONARY: A file in which selected terms are matched with others having a similar connotation, and often arranged in a hierarchy of narrower, related and broader terms.

THROUGHPUT: The productivity of a machine, system or procedure, measured in some terms meaningful to the process under consideration (2); expressed in computing work per minute or hour (1).

GLOSSARY

TIME SHARING: The simultaneous utilization of a computer system from multiple terminals...by interleaving the operations of the processes on a single high-speed processor (1).

TRUNCATION: Use of a root term for retrieval of terms beginning with that root — e.g., 'COMP+' as a means of retrieving 'COMPUTER', 'COMPUTING', 'COMPUTATIONAL', etc. May be left-hand or right-hand truncation or both.

TURNAROUND TIME: The delay between submission of a job and its completion (1).

TURNKEY SYSTEM: A system that can be delivered...with little or no modification, by a supplier. Generally...becomes operational in...a few days or weeks (4).

USER: The client, customer or consumer of data processing services (4).

UTILITY PROGRAMS: Part of the software of a system, devised to perform operations on files of data...are not concerned with the specific contents of any file, but operate on whole files treated as units, transferring them from one medium of store to another, making copies of files and reorganizing their sequence (2); programs or routines of general usefulness...applicable to many jobs or purposes (1).

VISUAL DISPLAY UNIT; or VISUAL DISPLAY TERMINAL; or VDU; or VDT: A display unit that consists of a cathode ray tube which is used to display characters...representing data read from the main memory of a computer...also incorporates facilities to key in inquiries so that computer files can be interrogated from remote locations (2).

WORD: Fundamental unit of storage capacity for a digital computer, almost always considered to be more than eight bytes in length (1); basic unit of data in a computer memory; consists of a predetermined number of characters or bits to be processed as an entity (2).

UNESCO GENERAL INFORMATION PROGRAMME
Inventory of Software Packages in the Information Field

- **PLEASE COMPLETE IN ENGLISH, PREFERABLY TYPEWRITTEN OR BLOCK LETTERS**
- **USE A SEPARATE QUESTIONNAIRE FOR EACH SOFTWARE PACKAGE**

1. GENERAL FEATURES OF THE SYSTEM

1.1 Name of system, in full: ______

Acronym: ______

Version number: ______ Release date: ______

1.2 Main function(s) of the system

(Mark as many as applicable)

Information retrieval ☐

Library management ☐

Data base management ☐

Simulation of other systems ☐ Which systems: ______

Others, specify: ______

1.3 Name and address of the producer of the system:

Name: ______

Street: ______

City: ______ State: ______ Code: ______

Country: ______

Telephone: ______ Telex: ______ Cable: ______

1.4 Name and address of the vendor of the system (if different from 1.3):

Name: ______

Street: ______

City: ______ State: ______ Code: ______

Country: ______

Telephone: ______ Telex: ______ Cable: ______

1.5 Person to contact for additional information:

Name: ______ Title: ______

Firm/Institution: ______

Street: ______

City: ______ State: ______ Code: ______

Country: ______

Telephone: ______ Telex: ______ Cable: ______

1.6 Please provide a general description of the history and primary objectives of the system:

1.7 Please provide a concise general description of the system (detailing features, function and main application):

1.7.1 Features:
(Mark as many as applicable)

- Bar code ☐
- COM (computer output microfiche/ microfilm) ☐
- Error messages ☐
- Help routines ☐
- Light pen ☐
- Networking ☐
- Photocomposition ☐
- Prompting ☐
- Restart ☐
- Others, specify:

1.7.2 Main function(s):
(Mark as many as applicable)

- Accounting ☐
- Acquisition ☐
- Address labels ☐
- Archives inventory and control ☐
- Budget control ☐
- Cataloging ☐
- Circulation ☐
- Data entry ☐
- Directory generation (any type, R & D project, institutions, specialist) ☐
- Indexing (create index of data base file) ☐
- Management/MIS ☐
- Print generator ☐
- SDI ☐
- Searching ☐
- Serials control ☐
- Soundex ☐
- Statistics ☐
- Text editor ☐
- Thesaurus (directory creation and maintenance) ☐
- Translation ☐
- Word processing ☐
- Others, specify:

1.8 Type(s) of files supported by the system:
(Mark as many as applicable)

- Bibliography ☐
- Dictionary ☐
- Graphic ☐
- Others, specify: ____________________
- Document ☐
- Thesaurus ☐
- Numeric ☐

2. HARDWARE REQUIREMENTS

2.1 Is software implementable on more than one computer? Yes ☐ No ☐

(If the software is implementable on more than one computer please photocopy this page and answer all relevant questions)

2.2 On what computer(s) does the system operate?

Micro ☐ Mini ☐ Mainframe ☐

Name of computer:
Model no.:
Manufacturer's name:

2.3 Hardware features of your system.

	Minimum	Maximum
Memory size		
Disk dri[illegible]		
Capacity/unit		
Number of units		
Tape drive(s)		
Terminal(s)		
Printer(s)		

2.4 Other peripheral equipment:

3. SOFTWARE – OPERATING SYSTEM

3.1 Name of Operating System:

3.2 Required compilers, for programming language used to create the system:

ASSEMBLER ☐ BASIC ☐ COBOL ☐ FORTRAN ☐ PL1 ☐

Others, specify:

3.3 Record Management System (RMS):

Index sequential ☐ Relative direct access ☐

DBMS ☐ Name of DBMS

Others, specify:

N/A (Not Available) ☐

3.4 Utilities

Sort ☐ N/A ☐

Others, specify:

4. SOFTWARE – APPLICATION SYSTEM

4.1 File Characteristics:

a. Type of data:
Alphanumeric ☐ Numeric ☐ Graphic ☐

b. Record length:
Fixed ☐ Variable ☐
Maximum length of record ____________________

c. Maximum number of records: ____________________

d. Maximum number of fields/record: ____________________

4.2 Which character sets are allowed?
ASCII ☐ EBCDIC ☐
Others, specify: ____________________

4.3 Which alphabets are supported?
Latin ☐ Cyrillic ☐ Arabic ☐ Mixed ☐
Others, specify: ____________________

4.4 In what language is the system's command language? ____________________
Are other languages possible? Yes ☐ No ☐
Which ones? ____________________

4.5 Is there thesaurus maintenance? Yes ☐ No ☐

4.6 What types of authority files are available?
Personal name ☐ Corporate name ☐ None ☐
Others, specify: ____________________

4.7 Are batch operations supported? Yes ☐ No ☐

4.8 Are online operations supported? Yes ☐ No ☐
How many terminals may operate in the system at one time? ____________________
____

4.9 Is input/output by internationally accepted exchange formats, such as ISO 2709, supported?
Yes ☐ No ☐
Which ones? ____________________

4.10 Type of system capability
(Mark as many as applicable)
Multiple file ☐
Simultaneous file search ☐
Single file search ☐
Networks and communication ☐
N/A ☐

4.11 Data entry and revision functions:
(Mark as many as applicable)
Insert new text ☐
Data validation ☐
Change text ☐
Delete text ☐
Find text ☐
Save old text ☐
Full-screen edit ☐
Cancel latest revisions ☐
Insert text from external files ☐
Move text ☐
Copy text ☐

Others, specify: ____________________
N/A ☐

4.12 Features of query language:

(Mark as many as applicable)

Boolean operators (AND, OR, NOT) ☐
Numerical search (range search) ☐
Search-term truncation
(left, right, middle) ☐
Adjacency of search terms ☐

Thesaurus ☐
Field-based search ☐
Full-text search ☐
Nesting of instructions ☐
Alternative query languages ☐

Others, specify: ______________________________

____

N/A ☐

4.13 Search function:

(Mark as many as applicable)

Display dictionary ☐
Postings ☐
Show results on screen ☐
Print results ☐

Save query ☐
Revise query ☐
Return query ☐

Others, specify: ______________________________

____

N/A ☐

4.14 Print generator:

(Mark as many as applicable)

Sort ☐
Decode ☐
KWIC–KWOC ☐
Statistics ☐

Indexing ☐
Forms ☐
Editing a format ☐
Word processing ☐

Others, specify: ______________________________

____

N/A ☐

4.15 Acquisition functions :

(Mark as many as applicable)

Preliminary search ☐
Document creation ☐
Skip (in create prompt mode) ☐

Displaying the document ☐
Multiple copies ☐
Budget control ☐

Others, specify: ______________________________

____

N/A ☐

4.16 Catalog functions:

(Mark as many as applicable)

Create ☐
Skip (in create prompt mode) ☐
Remove ☐
Print catalogs ☐

Correct ☐
Add ☐
Multiple copies ☐

Others, specify: ______________________________

____

N/A ☐

4.17 Circulation functions:

(Mark as many as applicable)

Borrower master file ☐
Charging an item ☐
Returning and recharging an item ☐
Control of overdue items ☐
Circulation statistics ☐

Circulation field codes ☐
Reserving an item ☐
Interlibrary loan ☐
Multiple copies ☐

Others, specify: ______________________________

____

N/A ☐

4.18 Data security:

Does the system support data security? Yes ☐ No ☐

If yes, please detail: ______________________________

5. USER SUPPORT

5.1 Is special training for programmers required? Yes ☐ No ☐
If yes, please state details.

5.2 Please provide a general description of any other training required:

5.3 Availability of documentation.
In which language(s) is documentation available: ____________________
Systems manual ☐
Utilities manual ☐
Reference manual ☐
Operations manual ☐
User guide ☐
Training manual ☐
Others, specify: ____________________

5.4 Special applications:

5.5 Can user add application programs? Yes ☐ No ☐

5.6 Availability of service.
No geographic limitations ☐
Africa ☐
Arab States ☐
Asia & Oceania ☐
Europe (including North America) ☐
Latin America & the Caribbean ☐
Other limitations, specify: ____________________

5.7 Is there a warranty? Yes ☐ No ☐
For what length of period (months) ____________________

5.8 Is system update and/or maintenance available? Yes ☐ No ☐

6. COST, INSTALLATION

6.1 Price range of software package in U.S. $ (on a purchase basis):

a. Source code
- ☐ No charge
- ☐ Up to $5,000
- ☐ 5,000 – 10,000
- ☐ 10,000 – 50,000
- ☐ 50,000 – 100,000
- ☐ More than $100,000
- ☐ N/A
- ☐ If conditional specify

b. Object code
- ☐ No charge
- ☐ Up to $5,000
- ☐ 5,000 – 10,000
- ☐ 10,000 – 50,000
- ☐ 50,000 – 100,000
- ☐ More than $ 100,000
- ☐ N/A
- ☐ If conditional specify:

6.2 Price range of hardware, in U.S. $ (minimum configuration on purchase basis):
- ☐ Up to $5,000
- ☐ 5,000 – 10,000
- ☐ 10,000 – 50,000
- ☐ 50,000 – 100,000
- ☐ More than $100,000
- ☐ N/A

6.3 Special terms for developing countries:

6.4 Number and location of current installations.
Number of installations (approximate):
Location of installations (specify name of company, address; attach separate sheet if needed):

6.5 Enclosures, please mark below.
- ☐ Additional pages attached
- ☐ Catalogs and brochures
- ☐ Manuals
- ☐ Bibliography
- ☐ None
- ☐ Catalogs, brochures mailed under separate cover

6.6 The questionnaire was completed by:
Name: Position:
Signature: Date:

RETURN TO:

JOHN B. ROSE, DIVISION OF THE GENERAL INFORMATION
PROGRAMME, UNESCO - 7 PLACE DE FONTENOY, 75700 PARIS

INDEX OF ACRONYMS

A-C-C-E-S-S (tm)	A-C-C-E-S-S - Automated Computer Communications Electronic Service System
ACS	Australian Card Service
ACT (*)	ACT Network Processor
ADLIB	Adaptive Library Management System
ADMIN	Adaptive Information Management System
ALEPH	Automated Library Expandable Program Hebrew University
ALIS	Automated Library Information System
AMBER	Bookline-Amber
AMRS	Australian Marc Record Service
ANB (FE)	Australian National Bibliography (Front End)
ANULAS	Australian National University Library Automated Systems
ARMIS	Agricultural Research Management Information System
ASPENSEARCH V (*)	ASPENSEARCH V
ATMS-III	Advanced Text Management System-III
AUTO-INDEX (*)	AUTO-INDEX
AUTODOC	OECD Automated Documentation System
AWA-URICA	A.W.A. - Universal Real-time Information Control and Administration
BACS	Bibliographic Access & Control System
BASIS	Battelle A Search Information System
BCE020	University Library Modernization
BIB/BATCH	Bibliographic data/Batch processing (Dados Bibliograficos/Processamento em Batch
BIB/DIALOG	Retrieval of Bibliographic Data by Dialoguing with the Computer. (Recuperacao de dados Bibliograficos em Dialogo)
BLAISE AWAY (*)	Blaise Away
BLAISERS2 (*)	BLAISERS2
BLASIM	Blaise/Marc Simulation
BLIS	Biblio-Techniques Library & Information System
BRS/SEARCH A	BRS/SEARCH A, Mainframe Version
BRS/SEARCH B	BRS/SEARCH B, Micro/Mini Version
BUILDER	Cortex Application BUILDER
BUMS	Bibliotektjänsts Utlanings - OCM Media - Kontrollsystem
BVS	Bibliotheks - Verbund System
CAIRS	Computer Assisted Information Retrieval System
CALCO	Catalogação Legivel por Computador
CALS	Comprehensive Automated Learning Resources System

(*) - ACRONYM GIVEN BY EDITOR (WITH VENDOR'S PERMISSION)

INDEX OF ACRONYMS

CAN/SDI	Canadian Service for the Selective Dissemination of Information
CAT	Crossreferences, Authors, Titles
CBLS	CBLS Software for Special Libraries
CDS/ISIS	Computerized Documentation System/Integrated Set of Information Systems
CHAMPS	Computer History and Maintenance Planning System
CHECKMATE (*)	CHECKMATE - Library Serials Control System
CIRCUS	Sydney University Circulation System
CIRS	Cyber Information Retrieval System
CLAS	Computerized Library Acquisitions System
CLWSOFT (*)	CLWSOFT
COLPEP	Collogia Data Entry for Information Retrieval Systems
COMPAIS IIA	Computer-Assisted Information system
CORTEX (*)	CORTEX
COSTI-SDI	COSTI SDI
COSTILIB	Costi Library Management
CRYSTOR/CRISTALOR	Cambridge Crystallographic Data base of Organics and Organometallics as implemented in Canada by the National Research Council of Canada
DARIUS	Document Archivering, Retrieval, Invoer en Uitvoer Systeem
DATA RECEIVER (*)	Data Receiver and System Development for portable terminals for Library Circulation control
DECO	DECO
DETHERM-SDR	Dechema Thermophysical Property Data Base Substance Data Retrieval System
DEVELOP DB (*)	DEVELOP Data Base
DIALOG SIMULAT (*)	Dialog Simulation
DISO	Display Inquiry System Online
DML	Data Manipulation Language interface for CDS/ISIS data bases
DOBIS	Dortmunder On-line Bibliothekssystem
DOBIS/LIBIS	Dortmund Library System/Leuven Library System
DOCSYS	Documentation System
DOKIS	DOKIS, Document Information System
DOMESTIC	Development Of Minicomputer Applications in an Environment of Scientific and Technological Information Centers
DTAF	Document Translation Assistance Facility
DYL-280 (*)	DYL-280
EASY DATA (*)	EASY DATA Integrated Library System
EPOS/VIRA	EPOS/VIRA-SDI Search System

(*) - ACRONYM GIVEN BY EDITOR (WITH VENDOR'S PERMISSION)

INDEX OF ACRONYMS

FAMDATA	Famulus Data Preparation Program
FIRS	Information Retrieval and Data Base Management System
FORMATEXT-11	Text-Entry and Management System for Formatted Text
FOSSILS2 (*)	FOSSILS2
GEAC (*)	Geac Library Information System
GENCON V (*)	GENCON V
GIPSY	General Information Processing System
GOLDEN RETRIEVER (*)	Golden Retriever - Library File Management System
GOLEM	GOLEM-Information-Retrieval-System
GRIPS	General Relation Based Information Processing System
GS-100 (*)	GS-100 Circulation Control System
GS-1000 GS-2000 (*)	GS-1000 and GS-2000 Circulation Control Systems
GS-500 (*)	GS-500 Acquisition System
HALO	Hongkong Automated Library Operations
HOBITS	Haifa Online Bibliographic Text System
HOMER (*)	HOMER
I.S.S. (*)	Issue System Simulation
ILS (TM)	Integrated Library System (TM)
INMAGIC (*)	INMAGIC(r)
INQUIRE	INQUIRE(R)
IRIS	Instant Retrieval Information System
IRS AIDOS DOS/ES	Programming System AIDOS DOS/ES
JLB-DOC (*)	JLB-DOC
KREATEK (*)	KREATEK: [Data Bank for Creativity Sciences]
L.I.S.	Library Information System
LCS (*)	Library Circulation System
LEAP	Library Electoronic Acquisitions Program
LEXICO	LEXICO
LIBRIS	Library Information System
LIBSER	A.R.A. Library Index System
LMS	Library Management Service
LURID	Loughborough Universal Reference Retrieval and Indexing Instruction Database
M.E.O.B.S.	Microcomputer Emulation of Online Bibliographic Searching
MAIMON	Management of Israel Medical Libraries Online
MATRIX	Matrix Transaction Exchange
MEDLARS	Medical Literature Analysis and Retrieval System (MEDLARS)
METAMICRO (*)	MetaMicro Library Systems, Inc. Serials Control System

(*) - ACRONYM GIVEN BY EDITOR (WITH VENDOR'S PERMISSION)

MICRO-CAIRS	Micro-Computer Assisted Information Retrieval System
MICRODIALOG	DIALOG with a micro
MIKRO POLYDOC (*)	Mikro Polydoc
MILESTONESOFT	CAI Software System for Microcomputer and Laser Video Disk Based Stand-Alone/Online CAI
MILOR	Information Retrieval Software Package on Mini-Computers
MIMER (*)	MIMER
MINDOK	Minicomputer Dokumenten Erfassungs und Retrieval System
MINISIS	MINISIS
MIPS	Management Information Processing System
MORPHS	Minicomputer Operated Retrieval (Partially Heuristic) System
MULTILING	Multilingual Data Processing
MUTE2	MUTE2
NEPHIS	Nested Phrase Indexing System
NONESUCH (*)	Nonesuch Acquisitions Control System
NONESUCH MICRO (*)	Nonesuch Circulation Control System
NOTIS	Northwestern Online Total Integrated System
OLIS	Online Library Information System
OMNISYS (*)	Omnisys: Information Management System
ORIEL-ACQUI	Library On-line Acquisitions System
ORIEL-BUREAUCAT	Library Cataloguing System
ORIEL-CIRC/MANAGE	Library Circulation System
ORIEL-INTERACTCAT	On-line Library Cataloguing System
ORIEL-MICRO	Micro-based Library Housekeeping System
P.L.O.	Personal Literature Organiser
PAI	Automatic Processing of Information
PARCH	Package for Archivists, Record Managers, Historians, Social Scientists and Information Scientists in the Business Environment and Public Services
PEARL	Perline-Pearl
PEDMS	Portable and Extensible Data Management System
PLIDOS	Persoenliches Literatur-Informations-und Dokumentations-System
POLYDOC (*)	POLYDOC
PRECIS (*)	PRECIS English-French/French-English Machine Translation System
QUERY.COM	Microquery Package
QWIK-DRAFT III (*)	QWIK-DRAFT III
R-CDS/ISIS (*)	R-CDS/ISIS
RAMIS II (*)	RAMIS II
RAPPORT	Rapport Database Management System

(*) - ACRONYM GIVEN BY EDITOR (WITH VENDOR'S PERMISSION)

INDEX OF ACRONYMS

RASMUS	Real Time Advanced System for Mass Updating and Storage
RECON IV	Remote Console Informatics Version
REPERTOIRE (*)	REPERTOIRE
REPINDEX	Computerized Index of the Pan American Network of Information and Documentation in Environmental Engineering and Science
RESPONSA	RESPONSA Full-text Retrieval System
RETRIV (*)	RETRIV
REVISD	Relational interface to CDS/ISIS data bases
RPORTS	RPORTS
RTFILE (*)	RTFILE
S.I.B.I.L.	S.I.B.I.L. Système informatisé pour les Bibliothèques Universitaires de Lausanne
SABER	Data Base Management System by Relational Schema
SAF	Search And Find
SALSSAH	Serials in Australian Libraries - Social Sciences and Humanities
SCOLCAP	Scottish Library Network System
SEARCH STRATEGY	Search Strategy
SEED	SEED Data Base management System
SERVIR	System for the Dispatch, Retrievan and Verification of Requested Information
SHLOF	SHLOF
SIFT	Searching In Free Text
SIM-400 M	Information storage and retrieval system SIM 400 M
SIMS	Sedna Information Management System (and System Generator)
SINFO 1300	Information Retrieval System SINFO 1300
SIR	Schools Information Retrieval
SIR/DBMS	Scientific Information Retrieval/Database Management System
SOFTINF	General Software Information System
SONAR	System Oriented for the Automatic Notification of References
SPIR	Search Program for Infrared Spectra
SPLEEN3	SPLEEN3
SSDC (*)	SSDC
STAR	System To Automate Records
STATUS	STATUS Information Storage and Retrival System
STRIX (*)	STRIX
SUPRIR	System for Users of Retrospective Searches in Reference Information
SYSTEM 1022 (*)	System 1022
T.A.M.I.L.	T.A.M.I.L.

(*) - ACRONYM GIVEN BY EDITOR (WITH VENDOR'S PERMISSION)

TCAT	Cobol Test Coverage Analysis Tool
THETIS (*)	THETIS
TLS	Claremont Total Library System
TOPSI	Teaching of Printed Subject Indexes
TRIS	Transportation Research Information Services
UNIDAS	Sperry Univac Information Retrieval System UNIDAS 1100
USERLINK (*)	USERLINK Online Access Program
UTOPIA	University of Tsukuba Online Processing of Information
VINCAPRINT	Software Package for Computer Produced Publications
VIP	Versatile Informtion Processor
WLN	Washington Library Network Computer System
Y-DOC	Y-DOC - An Application Generator

INDEX OF FULL NAMES

A-C-C-E-S-S - Automated Computer Communications Electronic Service System	A-C-C-E-S-S (tm)
A.R.A. Library Index System	LIBSER
A.W.A. - Universal Real-time Information Control and Administration	AWA-URICA
ACT Network Processor	ACT (*)
ASPENSEARCH V	ASPENSEARCH V (*)
AUTO-INDEX	AUTO-INDEX (*)
Adaptive Information Management System	ADMIN
Adaptive Library Management System	ADLIB
Advanced Text Management System-III	ATMS-III
Agricultural Research Management Information System	ARMIS
Australian Card Service	ACS
Australian Marc Record Service	AMRS
Australian National Bibliography (Front End)	ANB (FE)
Australian National University Library Automated Systems	ANULAS
Automated Library Expandable Program Hebrew University	ALEPH
Automated Library Information System	ALIS
Automatic Processing of Information	PAI
BLAISERS2	BLAISERS2 (*)
BRS/SEARCH A, Mainframe Version	BRS/SEARCH A
BRS/SEARCH B, Micro/Mini Version	BRS/SEARCH B
Battelle A Search Information System	BASIS
Biblio-Techniques Library & Information System	BLIS
Bibliographic Access & Control System	BACS
Bibliographic data/Batch processing (Dados Bibliograficos/Processamento em Batch	BIB/BATCH
Bibliotektjänsts Utlanings - OCM Media - Kontrollsystem	BUMS
Bibliotheks - Verbund System	BVS
Blaise Away	BLAISE AWAY (*)
Blaise/Marc Simulation	BLASIM
Bookline-Amber	AMBER
CAI Software System for Microcomputer and Laser Video Disk Based Stand-Alone/Online CAI	MILESTONESOFT
CBLS Software for Special Libraries	CBLS
CHECKMATE - Library Serials Control System	CHECKMATE (*)
CLWSOFT	CLWSOFT (*)
CORTEX	CORTEX (*)
COSTI SDI	COSTI-SDI

INDEX OF FULL NAMES

Cambridge Crystallographic Data base of Organics and Organometallics as implemente in Canada by the National Research Council of Canada	CRYSTOR/CRISTALOR
Canadian Service for the Selective Dissemination of Information	CAN/SDI
Catalogação Legivel por Computador	CALCO
Claremont Total Library System	TLS
Cobol Test Coverage Analysis Tool	TCAT
Collogia Data Entry for Information Retrieval Systems	COLPEP
Comprehensive Automated Learning Resources System	CALS
Computer Assisted Information Retrieval System	CAIRS
Computer History and Maintenance Planning System	CHAMPS
Computer-Assisted Information system	COMPAIS IIA
Computerized Documentation System/Integrated Set of Information Systems	CDS/ISIS
Computerized Index of the Pan American Network of Information and Documentation i Environmental Engineering and Science	REPINDEX
Computerized Library Acquisitions System	CLAS
Cortex Application BUILDER	BUILDER
Costi Library Management	COSTILIB
Crossreferences, Authors, Titles	CAT
Cyber Information Retrieval System	CIRS
DECO	DECO
DEVELOP Data Base	DEVELOP DB (*)
DIALOG with a micro	MICRODIALOG
DOKIS, Document Information System	DOKIS
DYL-280	DYL-280 (*)
Data Base Management System by Relational Schema	SABER
Data Manipulation Language interface for CDS/ISIS data bases	DML
Data Receiver and System Development for portable terminals for Library Circulation control	DATA RECEIVER (*)
Dechema Thermophysical Property Data Base Substance Data Retrieval System	DETHERM-SDR
Development Of Minicomputer Applications in an Environment of Scientific and Technological Information Centers	DOMESTIC
Dialog Simulation	DIALOG SIMULAT (*)
Display Inquiry System Online	DISO
Document Archivering, Retrieval, Invoer en Uitvoer Systeem	DARIUS
Document Translation Assistance Facility	DTAF
Documentation System	DOCSYS
Dortmund Library System/Leuven Library System	DOBIS/LIBIS
Dortmunder On-line Bibliothekssystem	DOBIS

INDEX OF FULL NAMES

EASY DATA Integrated Library System	EASY DATA (*)
EPOS/VIRA-SDI Search System	EPOS/VIRA
FOSSILS2	FOSSILS2 (*)
Famulus Data Preparation Program	FAMDATA
GENCON V	GENCON V (*)
GOLEM-Information-Retrieval-System	GOLEM
GS-100 Circulation Control System	GS-100 (*)
GS-1000 and GS-2000 Circulation Control Systems	GS-1000 GS-2000 (*)
GS-500 Acquisition System	GS-500 (*)
Geac Library Information System	GEAC (*)
General Information Processing System	GIPSY
General Relation Based Information Processing System	GRIPS
General Software Information System	SOFTINF
Golden Retriever - Library File Management System	GOLDEN RETRIEVER (*)
HOMER	HOMER (*)
Haifa Online Bibliographic Text System	HOBITS
Hongkong Automated Library Operations	HALO
INMAGIC(r)	INMAGIC (*)
INQUIRE(R)	INQUIRE
Information Retrieval Software Package on Mini-Computers	MILOR
Information Retrieval System SINFO 1300	SINFO 1300
Information Retrieval and Data Base Management System	FIRS
Information storage and retrieval system SIM 400 M	SIM-400 M
Instant Retrieval Information System	IRIS
Integrated Library System (TM)	ILS (TM)
Issue System Simulation	I.S.S. (*)
JLB-DOC	JLB-DOC (*)
KREATEK: [Data Bank for Creativity Sciences]	KREATEK (*)
LEXICO	LEXICO
Library Cataloguing System	ORIEL-BUREAUCAT
Library Circulation System	LCS (*)
Library Circulation System	ORIEL-CIRC/MANAGE
Library Electoronic Acquisitions Program	LEAP
Library Information System	L.I.S.
Library Information System	LIBRIS
Library Management Service	LMS
Library On-line Acquisitions System	ORIEL-ACQUI
Loughborough Universal Reference Retrieval and Indexing Instruction Database	LURID
MIMER	MIMER (*)
MINISIS	MINISIS
MUTE2	MUTE2
Management Information Processing System	MIPS

Management of Israel Medical Libraries Online	MAIMON
Matrix Transaction Exchange	MATRIX
Medical Literature Analysis and Retrieval System (MEDLARS)	MEDLARS
MetaMicro Library Systems, Inc. Serials Control System	METAMICRO (*)
Micro-Computer Assisted Information Retrieval System	MICRO-CAIRS
Micro-based Library Housekeeping System	ORIEL-MICRO
Microcomputer Emulation of Online Bibliographic Searching	M.E.O.B.S.
Microquery Package	QUERY.COM
Mikro Polydoc	MIKRO POLYDOC (*)
Minicomputer Dokumenten Erfassungs und Retrieval Syste[illegible]	MINDOK
Minicomputer Operated Retrieval (Partially Heuristic) System	MORPHS
Multilingual Data Processing	MULTILING
Nested Phrase Indexing System	NEPHIS
Nonesuch Acquisitions Control System	NONESUCH (*)
Nonesuch Circulation Control System	NONESUCH MICRO (*)
Northwestern Online Total Integrated System	NOTIS
OECD Automated Documentation System	AUTODOC
Omnisys: Information Management System	OMNISYS (*)
On-line Library Cataloguing System	ORIEL-INTERACT[illegible]T
Online Library Information System	OLIS
POLYDOC	POLYDOC (*)
PRECIS English-French/French-English Machine Translation System	PRECIS (*)
Package for Archivists, Record Managers, Historians, Social Scientists and Information Scientists in the Business Environment and Public Services	PARCH
Perline-Pearl	PEARL
Personal Literature Organiser	P.L.O.
Persoenliches Literatur-Informations-und Dokumentations-System	PLIDOS
Portable and Extensible Data Management System	PEDMS
Programming System AIDOS DOS/ES	IRS AIDOS DOS/ES
QWIK-DRAFT III	QWIK-DRAFT III (*)
R-CDS/ISIS	R-CDS/ISIS (*)
RAMIS II	RAMIS II (*)
REPERTOIRE	REPERTOIRE (*)
RESPONSA Full-text Retrieval System	RESPONSA
RETRIV	RETRIV (*)
RPORTS	RPORTS
RTFILE	RTFILE (*)
Rapport Database Management System	RAPPORT

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INDEX OF FULL NAMES

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Real Time Advanced System for Mass Updating and Storage	RASMUS
Relational interface to CDS/ISIS data bases	REVISD
Remote Console Informatics Version	RECON IV
Retrieval of Bibliographic Data by Dialoguing with the Computer. (Recuperação de dados Bibliograficos em Dialogo)	BIB/DIALOG
S.I.B.I.L. Système Informatisé pour les Bibliothèques Universitaires de Lausanne	S.I.B.I.L.
SEED Data Base management System	SEED
SHLOF	SHLOF
SPLEEN3	SPLEEN3
SSDC	SSDC (*)
STATUS Information Storage and Retrival System	STATUS
STRIX	STRIX (*)
Schools Information Retrieval	SIR
Scientific Information Retrieval/Database Management System	SIR/DBMS
Scottish Library Network System	SCOLCAP
Search And Find	SAF
Search Program for Infrared Spectra	SPIR
Search Strategy	SEARCH STRATEGY
Searching In Free Text	SIFT
Sedna Information Management System (and System Generator)	SIMS
Serials in Australian Libraries - Social Sciences and Humanities	SALSSAH
Software Package for Computer Produced Publications	VINCAPRINT
Sperry Univac Information Retrieval System UNIDAS 1100	UNIDAS
Sydney University Circulation System	CIRCUS
System 1022	SYSTEM 1022 (*)
System Oriented for the Automatic Notification of References	SONAR
System To Automate Records	STAR
System for Users of Retrospective Searches in Reference Information	SUPRIR
System for the Dispatch, Retrievan and Verification of Requested Information	SERVIR
T.A.M.I.L.	T.A.M.I.L.
THETIS	THETIS (*)
Teaching of Printed Subject Indexes	TOPSI
Text-Entry and Management System for Formatted Text	FORMATEXT-11
Transportation Research Information Services	TRIS
USERLINK Online Access Program	USERLINK (*)
University Library Modernization	BCE020

University of Tsukuba Online Processing of Information	UTOPIA
Versatile Informtion Processor	VIP
Washington Library Network Computer System	WLN
Y-DOC - An Application Generator	Y-DOC

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INDEX OF COUNTRIES OF ORIGIN

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AUSTRALIA	ACS, AMRS, ANB (FE), ANULAS, AWA-URICA, CIRCUS, GENCON V (*), SALSSAH.
BELGIUM	MULTILING.
BRAZIL	BCE020, BIB/BATCH, BIB/DIALOG, CALCO, PAI, SABER, SERVIR, SONAR, SUPRIR.
CANADA	CRYSTOR/CRISTALOR, EASY DATA (*). GEAC (*), LCS (*), LEAP, MINISIS, NEPHIS, VIP.
DENMARK	ALIS.
FEDERAL REPUBLIC OF GERMANY	BVS, CAT, COLPEP, DETHERM-SDR, DOBIS, DOBIS /LIBIS, DOCSYS, DOKIS, DOMESTIC, GOLEM, GRIPS, MINDOK, PEDMS, PLIDOS, SOFTINF.
FRANCE (including OECD and Unesco)	AUTODOC, CAN/SDI, CDS/ISIS, DML, JLB-DOC (*), MILOR, R-CDS/ISIS (*), REPERTOIRE (*), SPLEEN3, T.A.M.I.L., THETIS (*).
GERMAN DEMOCRATIC REPUBLIC	IRS AIDOS DOS/ES.
HONG-KONG	HALO.
IRELAND	ARMIS, P.L.O..
ISRAEL	ALEPH, CIRS, COSTI-SDI, COSTILIB, DOMESTIC, DTAF, HOBITS, IRIS, L.I.S., MAIMON, RESPONSA, SHLOF, Y-DOC.
ITALY	DATA RECEIVER (*), LMS.
JAPAN	MILESTONESOFT, UTOPIA.
NETHERLANDS	DARIUS, FORMATEXT-11.
NORWAY	KREATEK (*), MIKRO POLYDOC (*), POLYDOC (*), SIFT.

PERU	REPINDEX.
PHILIPPINES	COMPAIS IIA.
POLAND	REVISD, SIM-400 M, SINFO 1300.
SWEDEN	BUMS, EPOS/VIRA, LIBRIS, MIMER (*), RETRIV (*), SAF.
SWITZERLAND	BASIS, DISO, S.I.B.I.L..
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48605 Saginaw
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IBM Israel Ltd. (Or any IBM Branch office) P.O.B. 33666 61336 Tel-Aviv ISRAEL TEL 03-618864 TLX 33615	DTAF
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KTS Informations-Systeme GmbH Leopoldstr. 87 8000 Muenchen 40 FEDERAL REPUBLIC OF GERMANY TEL 089-398057	DOMESTIC

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TEL 08-24 10 40

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TLX 847112 LMR G

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Leatherhead
Surrey
UNITED KINGDOM
TEL L. 376761

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TEL 1-637-9111
TLX 27200

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4076 S.E. Hemlock St.
97123 Hillsboro
OR
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TEL 503-640-3368; 503-357-7179

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